

19980206.qrp v00_n993.qrs.980206

Date: Fri, 6 Feb 1998 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 993

QRP-L Digest 993

Topics covered in this issue include:

- 1) [3118] FYBO
by Roger Hightower <n7kt@earthlink.net>
- 2) [3119] Re: Dayton Room Reservations Rev. 1
by ars.n8pvz@juno.com (Bernard F. Gaffney, Jr.)
- 3) [3120] Dayton Room Reservations Rev. 2
by Hank Kohl K8DD <k8dd@contesting.com>
- 4) [3121] digi-thermometers
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 5) [3122] QRPTTRF Feb. 13-15
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 6) [3123] Re: Burying ladder line
by Peter Demmer <ampruss@hits.net>
- 7) [3124] FOX: N/T Fox Friday evening, W2MBY
by W2MY & W2MBY <n2mnn@spacegate.com>
- 8) [3125] FS: Yaesu FR 101
by teixeira@ccnet.com (T E I X E I R A)
- 9) [3126] tks for info
by dave_epps@juno.com
- 10) [3127] elmer101
by dave_epps@juno.com
- 11) [3128] FOX?
by Tim Ahrens <tahrens@inetport.com>
- 12) [3129] N/T Fox N0GLM Preston on ~7.139 and calling, UTC 2/6 0015
by kb9iua@juno.com (Kevin L Anderson)
- 13) [3130] Re: FOX?
by "Don McKechnie" <donmck@erinet.com>
- 14) [3131] fox spot
by "tom palmer" <n1tp@worldnet.att.net>
- 15) [3132] Re: FW: Antenna adjusting using foil...
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 16) [3133] ZM2 tuner
by marion@montana.com
- 17) [3134] test
by marion@montana.com
- 18) [3135] Re: ZM2 tuner
by "Karl B. Staddon" <ve6kbs@agt.net>
- 19) [3136] Re: ZM2 tuner

- by "Ron Smith" <resmith@primenet.com>
- 20) [3137] Another question about batteries
by Rich Bachmann <bachmann@ari.net>
- 21) [3138] RE: toroid measure
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 22) [3139] N9DD Log for Feb. 5
by Chuck Carpenter <w5usj@webwide.net>
- 23) [3140] CCW
by "Gobrick, Robert (rgob)" <rgob@tengizchevroil.com>
- 24) [3141] "end of Earth" reports possibly premature :-)
by kb9iua@juno.com (Kevin L Anderson)
- 25) [3142] Re: Fox and antenna axioms
by Monte Stark <ku7y@sage.dri.edu>
- 26) [3143] FOX - Whoa..
by Tim Ahrens <tahrens@inetport.com>
- 27) [3144] Herring Aid 5 / TIXIE Updates
by n2jgu@juno.com (Gary M Diana)
- 28) [3145] KK6MC Fox & FYB0
by flydnq7x@primenet.com (Floyd Smithberg)
- 29) [3146] Re: am I ready?
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 30) [3147] Re: Does BOB from Wilderness Radio have an email?
by "David D. Meacham" <ddm@datatamers.com>
- 31) [3148] MRX-40 Mini Receiver Kit
by SABorns@aol.com
- 32) [3149] Re: KK6MC Fox & FYB0
by Roger Hightower <n7kt@earthlink.net>
- 33) [3150] Tonite's Fox One Hour Late
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 34) [3151] Re: am I ready?
by GERALDCUND@aol.com
- 35) [3152] Re: Alaska QSO Party / AKQRP Newsletter
by GERALDCUND@aol.com
- 36) [3153] Re: N9DD Log for Feb. 5
by "George Edwards" <gedwards@onramp.net>
- 37) [3154] Re: Add RIT to SW40
by GERALDCUND@aol.com
- 38) [3155] Re: SLQS 10th Anniversary Newsletter Offer
by w4bws@juno.com (Donald E Sanders)
- 39) [3156] Knightlites KnightSMiTe - BRAVO !!!!!
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
- 40) [3157] EMTECH URL !
by ROYGREGSON@aol.com
- 41) [3158] low pass filters
by "Wayne Barnhart" <wb7whi@triax.com>
- 42) [3159] Mail bounced !
by ROYGREGSON@aol.com
- 43) [3160] IF Cans from Dans

- by Paul Harden <pharden@aoc.nrao.edu>
- 44) [3161] RE: MRX-40 QST Article
by SABorns@aol.com
- 45) [3162] Tidewater QRP Meeting
by Rick McNelly <72507.235@compuserve.com>
- 46) [3163] Re: N9DD Log for Feb. 5
by N9DD@aol.com
- 47) [3164] Re: toroid measure
by Leon Heller <leon@lfheller.demon.co.uk>
- 48) [3165] Re: 2n2222 Mixer design
by Leon Heller <leon@lfheller.demon.co.uk>
- 49) [3166] Re toroid color codes
by mike czuhajewski <wa8mcq@abs.net>
- 50) [3167] RE: Those dern HTML files, How to use them plus
by Philip Karras <ke3fl@yahoo.com>
- 51) [3168] Re: VFO Temp Compensation
by jeverhar@camden.lmco.com
- 52) [3169] RE: Those dern HTML files, How to use them plus
by Monte Stark <ku7y@sage.dri.edu>
- 53) [3170] RE: Those dern HTML files, How to use them plus
by Philip Karras <ke3fl@yahoo.com>
- 54) [3171] [Fwd: UNSUBSCRIBE QRP-L Roger Cook K040]
by Roger Cook <rcook@hiwaay.net>
- 55) [3172] SGC
by "Jeff M. Gold" <JGold@tntech.edu>
- 56) [3173] EMTECH 40
by "Jeff M. Gold" <JGold@tntech.edu>
- 57) [3174] NW80 80 for sale
by "Jeff M. Gold" <JGold@tntech.edu>
- 58) [3175] Re: FOX: N/T Fox Friday evening, W2MBY
by PDouglas12@aol.com
- 59) [3176] Re: Burying coax &/or window line
by LYN WILLIAMS <designserv@ipass.net>
- 60) [3177] B & K Scope
by "Ron Polityka" <wb3aal@talon.net>
- 61) [3178] Re: FOX - Whoa..
by Ed Loranger <we6w@qsl.net>
- 62) [3179] RE: Those dern HTML files, How to use them plus
by Hank Kohl K8DD <k8dd@contesting.com>
- 63) [3180] Draft Fox Results 2/6/98 From KK6MC/5
by "James R. Duffey" <jamesd1@flash.net>
- 64) [3181] Re: Draft Fox Results 2/6/98 From KK6MC/5
by Vic Rosenthal <rakefet@rakefet.com>
- 65) [3182] Re: Draft Fox Results 2/6/98 From KK6MC/5
by Ed Loranger <we6w@qsl.net>
- 66) [3183] PC-9000 xcvr from Patcomm & FYBO '98
by wa5whn@juno.com
- 67) [3184] Build this Radio, Part4

- by KB9RPD@aol.com
- 68) [3185] Re: FOX - Whoa..
by gsurrency@juno.com (Gary L Surrency)
- 69) [3186] Novice Fox 3.686
by Ken Freedman <n1qqv@cshore.com>
- 70) [3187] Re: Burying coax &/or window line
by "Ray Lowe" <wd5dhk@hotmail.com>
- 71) [3188] Folded Bazooka and FYBO
by "Joseph street 1635" <joseph.street@comdev.ca>
- 72) [3189] Fox ALERT
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 73) [3190] Re: Novice Fox 3.686 oops n/g
by PDouglas12@aol.com
- 74) [3191] FYBO Plans
by n4js@pobox.com
- 75) [3192] Re: Folded Bazooka and FYBO
by Ed Loranger <we6w@qsl.net>
- 76) [3193] RE: Novice Fox 3.686 oops n/g
by Andreas Junge <andreas@atltech.com>
- 77) [3194] Miles/Watt
by Ed Loranger <we6w@qsl.net>
- 78) [3195] Radio Shack,thermo. Error found
by gregoire@endor.com
- 79) [3196] SGC 2020
by Thomas J McCuen <TMcCuen@compuserve.com>
- 80) [3197] Calculator
by Tellefsen Bob-CNSE97 <cense97@lmpsil02.comm.mot.com>
- 81) [3198] Re: QRPTTRF Feb. 13-15 Boycott this contest
by Jeff Grudin <grudin@pacific.vdbs.com>
- 82) [3199] FS: price reduced on Ten Tec Omni D
by Steve Miller <kg7pv@teleport.com>
- 83) [3200] WTB: IC-2350
by Brandon Brinkley <ac4ou@mail2.wilmington.net>
- 84) [3201] Re: Radio Shack,thermo. Error found
by Jeff Grudin <grudin@pacific.vdbs.com>
- 85) [3202] FYBO-like Stories
by Jeff Grudin <grudin@pacific.vdbs.com>
- 86) [3203] Re: Novice Fox 3.686 oops n/g
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
- 87) [3204] QRPP journal index
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 88) [3205] Re: Novice Fox 3.686 oops n/g
by kq0i@juno.com (Mark R Milburn)
- 89) [3206] HTML
by Larry East <w1hue@amsat.org>
- 90) [3207] FOX: NOGLM report
by "Buck, Preston D" <BuckPD@corning.com>
- 91) [3208] Re: HTML

- by "Bob Edwards, W4ED" <w4ed@flash.net>
92) [3209] Re: toroid measure
by neil <neil@aade.com>
93) [3210] Re: Novice Fox 3.686 oops n/g
by "tom palmer" <n1tp@worldnet.att.net>
94) [3211] QRPP INDEX FOUND!
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
95) [3212] W2MBY on 3686
by W2MY & W2MBY <n2mnn@spacegate.com>
96) [3213] Re: W2MBY on 3686
by Ed Loranger <we6w@qsl.net>
97) [3214] Code Tests
by flyer@hooked.net
98) [3215] Re: W2MBY on 3686
by "tom palmer" <n1tp@worldnet.att.net>
99) [3216] Fixing EMI EMC TVI ect....
by Phil <k6ls@prolynx.com>
100) [3217] FYBO -WQORP
by "Claton Cadmus" <aplitech@spacestar.net>

Date: Thu, 05 Feb 1998 00:06:56 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: qrp-l@Lehigh.EDU, azqrp@dancris.com
Subject: [3118] FYBO
Message-ID: <34D96510.2E8591AD@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sri to have to post this to the entire list, but I'm on the laptop in Pinetop and forgot to put the address book here.

I'm at FYBO "HQ" now, and will be monitoring 146.46 S. Can't raise the Porter Mtn repeater yet. but will work on the. If you get hung up, the landline is 369-1724. If I don't answer, I'm probably on the laptop checking mail, so try again in a bit.

Wx is great. 40 deg now (5:00 p.m.), only abt 4" of snow on the ground.

CU....Roger, N7KT

Date: Thu, 5 Feb 1998 17:47:57 -0500
From: ars.n8pvz@juno.com (Bernard F. Gaffney, Jr.)

To: k8dd@contesting.com
Cc: qrp-1@Lehigh.EDU
Subject: [3119] Re: Dayton Room Reservations Rev. 1
Message-ID: <19980205.174816.4678.0.ars.n8pvz@juno.com>

On Wed, 04 Feb 1998 23:14:05 -0500 Hank Kohl K8DD <k8dd@contesting.com> writes:

>Looking for rooms at Dayton? Especially at the QRP-ARCI center of
>activities? We still have a few good rooms.
>

Not sure my last message made it out. If this is a dupe, my apologies.

What's the cost??

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
ars.n8pvz@juno.com
We are QRP. Resistance is futile. You will be assimilated

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 05 Feb 1998 19:41:20 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-1@Lehigh.EDU
Subject: [3120] Dayton Room Reservations Rev. 2
Message-ID: <3.0.1.32.19980205194120.00d628a0@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking for rooms at Dayton? Especially at the QRP-ARCI center of activities? We still have a few good rooms.

\$72.00 plus 12.5% tax and a \$1.00 safe deposit (if you use **
it - make sure that you let the front desk know if you do **
or do not want the use of the safe deposit box). **

I need the following information for your reservation...

one room
smoking or non smoking?

1 or 2 beds?
which nights? wed, thu, fri, sat, sun?
(minimum 3 nights)

After this information is entered in the data base, we will
assign numbers to each reservation, send them to you and *
forward the list to Days Inn South.

It will then be your responsibility to call Days Inn South and
confirm your reservation with them using a credit card.

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS (k8dd@tir.com)
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM
*/ QRP-ARCI - Director MI-QRP - Vice Pres.
*/ <http://www.QRPARCI.org>
*/ <http://www.geocities.com/capecanaveral/2844/miqrp.htm>

Date: Thu, 5 Feb 1998 19:50:11 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-1@Lehigh.EDU
Subject: [3121] digi-thermometers
Message-ID: <Pine.GS0.3.96.980205193808.22698A-100000@callisto.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You might try using a LM34/35.
It looks like a plastic transistor but instead of E-B-C configuration the
leads are +, Vout, _
The plus and minus leads are connected to a 9-volt battery. A digital
voltmeter is connected to the minus(-) lead and the Vout lead.
The lm34 is a Fahrenheit version, Lm35 is Celsius.
A LM335 will cover Kelvin (absolute temperature)

0.82volts = 82 degs F

If you use a digital panel meter instead of a DVM; you can calibrate the

meter with ice water and boiling water. This way you could use the cheaper D grade of the devices instead of springing for the "A" grade.
I bought a couple for a few dollars from BG micro.

Have fun.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Thu, 5 Feb 98 14:49:54 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@Lehigh.EDU
Subject: [3122] QRPTTRF Feb. 13-15
Message-ID: <9802060049.AA24935@krypton.nmr.Hawaii.Edu>

OK, everyone is doing it, we have become inspired:

QRPTTRF
QRP To The Rain Forest
February 13, 14 and 15th
Hawaii Grid BL11

The Ham Radio Club at the University of Hawaii at Manoa and the Koolau Ham Club have reserved a camp ground at the beautiful Ho'omaluhia Botanical Garden and Park on the windward side of Oahu Island, State of Hawaii, grid BL11. We are going to have a warm up for Field Day.

We may have as many as three QRP operating sites going at once and are taking an array of antennas to test including an SLV with 40 meter coil and a special no-coil tunable 20 meter element, a Magnum SLV with an extra 4 feet of pole and 80 meter coil, a strange adaptor for mounting a Hustler Whip on the ground, tuners and several thousand feet of small gauge wire, twin lead, coax, and a few other things metallic that might just fit in the car.

We are going to set up Friday afternoon February 13th and be there until Sunday Morning February 15th. In the dead of night we hope to be up on 160 and 80 meters and when the tropical sun is overhead on 20,15 and 10 meters, with 40 meters at appropriate times.

This is a real tropical rain forest and rain is expected, with wind, and blowing rain, fantastic green stuff everywhere, including mildew that grows so fast it could star in some horror movie. It has a clear view over the Pacific Ocean of the Mainland (a bit over the horizon) and mountains just inland to back up the antennas.

We were hoping to get something going for this weekend when everyone else is up on the air from lots of exotic places and have a go at FYBO. But other commitments, bad timing, all that sort of thing, life interfering with hobbies etc. It is coming together for the Feb. 13-15th weekend, however.

HST = GMT - 1000 hours. With luck we should be ready to check into the local Hawaii Afternoon LSB (7.088 Mhz at 0200Z) net by 1600 HST on Friday and already have stations set up ready for the evening fun on 20 and 40 meters. There may be RTTY, but that is still being checked out and cabled up, but there will be CW and SSB.

Best of luck to all the expeditions for this weekend and the FYBO snowcave dwellers. I will put triple ice cubes in my next drink and think warm thoughts about all of you and run around the unheated condo without my T-shirt on, trying to imagine how much fun you must be having. On the UHM campus this morning at 6 a.m. it was 78 degrees F. before dawn, and then the sun came up and it got warm.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Thu, 05 Feb 1998 15:07:50 -1000
From: Peter Demmer <ampruss@hits.net>
To: mike@krypton.nmr.Hawaii.Edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3123] Re: Burying ladder line
Message-ID: <34DA6266.7BEB@hits.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Mike W. Burger wrote:

>
> Wouldn't this be an application for the dual run of coax method
> of making "twin lead"? Snip.... but will this hold true for the
> stuff simulated via two runs of coax taped side by side?
>
> I used dual coax trick for a short run on my lanai where I had to
> leave the cable lying on the reinforced concrete floor for a distance
> and sure enough it ignored being thrown on the ground just like
> coax would. It did not seem to work all that well when the SWR
> was high, however.
>
> AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
> HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County
Peter wrote;
High Mike; I have found the key to the success using the dual coax feed system is in the degree of balance we use in deploying the Capacitvly Coupled Dipole Antenna (CCD'A). But more importantly, the type of BALUN employed at the antenna input side of the (switchable) CL/LC conjugate matching sustem. It is critical to efficiency. It must be or best be (if you will) of a Balanced Current design. In the mid 50s, the boys at Heathkit did this with special parallel wound inductors. Today, we but of coarse have torroids. Refer to the artical by Roy W. Lewallen W7EL as found in The ARRL Antenna Compendium Vol.1, Pg.157 through Pg.164. I have designed, tested and employed our own QRP to 3KW RF commerical version of this concept. For QRP fun at Bellows for the past 18 years, (Recreation park AFB), I used this same technique with some 50 feet of the 100 ft of twin coax laying on the ground. In this case the rig was my old faithful Ten-Tec 515 and it was feeding the HB QRP conjugate matcher to a convoluted wire rombic V-beam with the apex some 45 ft up in an iron wood pine. Some afternoons (with three watts here gang) we smoked fish in the atlantic along the eastern sea board. Placed an RF ampmeter in each leg of the feeder. Talk about getting a visual on a balanced system. I, as well as a lot of very satisfied customers realize this technique works. Thanks for the space es Aloha, Peter KH6CTQ

Date: Thu, 05 Feb 1998 20:13:57 -0500
From: W2MY & W2MBY <n2mnn@spacegate.com>
To: QRP-L messages <QRP-L@Lehigh.EDU>
Subject: [3124] FOX: N/T Fox Friday evening, W2MBY
Message-ID: <34DA63D5.C741158A@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Everyone,

Just a reminder that I'm the N/T+ FOX on Friday evening, (or Saturday, Feb 7, 00:00 to 02:00 UTC). Like always, I will be using my TS-850 with an MFJ DSP filter. I will be 5W from NJ. Hope to work you. ;-)

72,

John, W2MBY
age: 11

P.S. I hope this is not in HTML. This is my first message with Netscape 4.04.

Date: Fri, 6 Feb 1998 01:04:06 +0000
From: teixeira@ccnet.com (T E I X E I R A)
To: qrp-1@Lehigh.EDU
Subject: [3125] FS: Yaesu FR 101
Message-ID: <v01520d00b1001074bc16@[206.80.32.142]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale: Yaesu FR101 receiver, general coverage, solid state, all mode including am, usb, lsb, fm & rtty, plus 2 & 6 meters, cw & am filters.
\$225.00

Don W6IQ
<teixeira@ccnet.com>

Date: Thu, 5 Feb 1998 15:31:46 -0800
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU

Subject: [3126] tks for info
Message-ID: <19980205.153149.6670.1.dave_epps@juno.com>

Tks for all of the responses on the isotron and bazooka.
Special tks to Ed we6w for the complete info on the bazooka.

Now all I need to know is where are QRP-ANON meetings held. hi!

tk's dave ab5pc fresno, ca.

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 5 Feb 1998 16:38:20 -0800
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [3127] elmer101
Message-ID: <19980205.163846.6550.1.dave_epps@juno.com>

I was fortunate enough to find "Qrp Power" in one of the local electronics parts store today, also edition 13 and 14 "Hints & Kinks".
In "Qrp Power" there is a real good article on NN1G's 40-40 xcvr.
Is this the radio we will be building in the upcoming Elmer program?
tk's dave ab5pc fresno, ca. dave_epps@juno.com

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 05 Feb 1998 19:53:51 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@Lehigh.EDU
Subject: [3128] FOX?
Message-ID: <34DA6D2F.567447A8@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Anybody heard the fox?

Tim W5FN

Date: Thu, 05 Feb 1998 19:20:16 EST
From: kb9iua@juno.com (Kevin L Anderson)
To: qrp-1@Lehigh.EDU
Subject: [3129] N/T Fox N0GLM Preston on ~7.139 and calling, UTC 2/6 0015
Message-ID: <19980205.181908.7855.0.kb9iua@juno.com>

Hi, Gang,

Well, unlike other nights, there is a hole in the
RF wall connecting New York with Illinois.
Go Get Preston, N/T Fox, N0GLM. I found
him at about 7.139 (analog dial :-) RST 599+
(very loud) at 0010 on the 6 Feb (UTC).
Help him out, folks.

Cheers/72. Kevin, KB9IUA
now to see if I can hear KK6MC -- usually I
can hear him chasing foxes....

Kevin Anderson, KB9IUA, Rock Island IL USA
kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 5 Feb 1998 21:03:00 -0400
From: "Don McKechnie" <donmck@erinet.com>
To: qrp-1@Lehigh.EDU
Subject: [3130] Re: FOX?
Message-ID: <199802060208.VAA03794@erinet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

> Date: Thu, 05 Feb 1998 19:53:51 -0600
> Reply-to: tahrens@inetport.com
> From: Tim Ahrens <tahrens@inetport.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: FOX?

> Anybody heard the fox?

>

> Tim W5FN

>

I believe we just had a successful QSO. Don, OH, QRP-L #1454

73 de Don W8IZZ

Date: Thu, 5 Feb 1998 09:16:43 -0500
From: "tom palmer" <n1tp@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [3131] fox spot
Message-ID: <19980206021556.AAA10659@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

KK6MC is on 7.037.80 with pile up. N1TP, Tom, Naples, Fl.

Date: Thu, 5 Feb 1998 20:23:51 -0600 (CST)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: Jade Account <jadepro@jadeprod.com>
Cc: qrp-l@Lehigh.EDU
Subject: [3132] Re: FW: Antenna adjusting using foil...
Message-ID: <Pine.SOL.3.94.980205202243.13609E-100000@sunburst>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

Dennis is quite right!! I apologize! I let my sub to QST run out, so at least I have an excuse!

73, Ade

On Wed, 4 Feb 1998, Jade Account wrote:

> Date: Wed, 4 Feb 98 23:40:35 PST
> From: Jade Account <jadepro@jadeprod.com>
> To: qrp-1@lehigh.edu, aweiss@sunflowr.usd.edu
> Subject: FW: Antenna adjusting using foil...

>

>

> Gee Adrian, I feel like I was passed over for promotion or something... I
> proposed this method in my QST article in the July 1995 issue of QST, page
> 63.

>

> We incorporate it in our Commercial J-Pole (TM Jadepoles) for the Amateur
> market. It is a particularly nice solution on our 6M version.

>

> Actually I'm sure the method was around long before I was, but it was an
> original thought on my part.

>

> :-)

>

> Dennis, K1YPP

>

> -----

>

>

>

> Jane Blanchard, KA1FUN, President -- Dennis Blanchard, K1YPP, Chief Engineer

>

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> PO Box 368

> East Hampstead, NH 03826-0368

>

> See our Web Page: <http://www.jadeprod.com/>

> -----

>

>

>

>

Date: Thu, 5 Feb 1998 20:17:57 -0700 (MST)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [3133] ZM2 tuner
Message-ID: <199802060317.UAA14931@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have seen some postings about the ZM2 tuner kit, but when I go to the website all I see is the ZM1 (marked unavailable). What am I doing wrong?
Thanks, roy AB7CE

Date: Thu, 5 Feb 1998 20:24:13 -0700 (MST)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [3134] test
Message-ID: <199802060324.UAA15756@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

test

Date: Thu, 05 Feb 1998 19:54:11 -0700
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: marion@montana.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3135] Re: ZM2 tuner
Message-ID: <34DA7B53.4E8@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

marion@montana.com wrote:

>
> I have seen some postings about the ZM2 tuner kit, but when I go to
> the website all I see is the ZM1 (marked unavailable). What am I doing wrong?
> Thanks, roy AB7CE

Check out this website - it has the ZM-2 you're looking for

<http://pages.prodigy.net/roygregson/>

Cheers de Karl VE6KBS CALGARY,AB

Date: Thu, 5 Feb 1998 20:08:51 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <marion@montana.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [3136] Re: ZM2 tuner
Message-ID: <024601bd32ac\$a96871c0\$3522a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I have seen some postings about the ZM2 tuner kit, but when I go to
> the website all I see is the ZM1 (marked unavailable). What am I doing wrong?
> Thanks, roy AB7CE

Nothing, they haven't updated their Web site yet.

72

Ron Smith

Amateur Radio Callsign: KD7VD
Boise, Idaho
E-mail: resmith@primenet.com
QRP-L #1291...ARCI #9580...NorCal #?????

Date: Thu, 5 Feb 1998 22:30:29 -0500
From: Rich Bachmann <bachmann@ari.net>
To: "'fgrig@iea.com'" <fgrig@iea.com>
Cc: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [3137] Another question about batteries
Message-ID: <01BD3285.AB7E4420@ppp_bach.ari.net>

Hi,

If you use a wall adapter to charge a 12 volt gel cell, make sure that it does not have an open circuit voltage greater than 13.8 volts. You can use a wall adapter on a variac to adjust the voltage down to 13.8 volts. For a 10 amp-hr or smaller battery, the current tapers down to less than 20 milliamps when it is fully charged. A 7 amp-hr one that I have tapers down to about 3 milliamps. The problem with wall adapters is that they have a lot of ripple when they are under load. Battery manufacturers recommend that the charging voltage be well filtered. If C is the amp-hour capacity, the max recommended current is $C/4$ or $C/5$.

If you have a 13.8 volt station supply, put an ammeter in series with the battery and hook it on the 13.8 volt supply. Start with the ammeter on a scale equal to the amp-hour capacity of the battery. After the current tapers down, switch to lower amp scales. It may take a while, but when the voltage tapers down and hasn't changed more than about 5% in a few hours, consider it fully charged. The initial charging current may exceed the $1/4$ of the amp-hour capacity (2 amps for an 8 amp-hr battery) limit recommended by the manufacturers, but it will taper down very quickly. A part of the voltage will be dropped across the shunt internal to the ammeter helping to limit the initial inrush of current.

If you are going to use gel-cells often, it is best to get a smart charger.

They use a constant current until the battery voltage rises to a terminal voltage of ~14.5 volts. Then they switch to constant voltage of 14.5 v until the current tapers down to about 1 or 2% of the amp-hour capacity.

If you leave it at 14.5 volts too long, you'll cook some of the water out of the gel-cell, compromising the longevity of the cell. When the current has tapered to the 1 or 2%, they switch to a final float voltage of from 13.5 - 13.8 volts.

Hope this is helpful.

73, Rich, N3SLR
bachmann@ari.net

Date: Thu, 05 Feb 1998 19:11:07 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Cc: leon@lfheller.demon.co.uk
Subject: [3138] RE: toroid measure
Message-ID: <3.0.3.32.19980205191107.00698524@mol.sun.opthth.uiowa.edu>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

leon,

i've been mulling this exact problem for a few days - care to share?

>>>>

You can even measure the Q of the
coil, at the same time.

<<<<

--adam, n2brt

=====

Adam B. Kanis, N2BRT	QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu	QRP ARCI : NorCal : QRP-L: G-QRP : CQC
Straight Key : OHR-100 40m : Carolina Beam oriented N/S	
** On the Web at http://genome33.ped-gen.uiowa.edu/hamradio **	

=====

Date: Thu, 05 Feb 1998 22:03:02 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: N9DD@aol.com
Cc: QRP-L@Lehigh.EDU
Subject: [3139] N9DD Log for Feb. 5
Message-ID: <3.0.1.32.19980205220302.00697098@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

On nights with quickly changing conditions, I wonder if antenna polarity is more of a factor. I'm using a Butternut HF9V and am about to put up a W9INN 40 thru 10 dipole. It'll be interesting to see if reception is better on one or the other. I never heard Tom with the vertical after about 0125 but I heard other TX 5s working him.

72/73 -- Chuck, W5USJ
Rains County (pop 6900), TX - EM22cv
ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Fri, 6 Feb 1998 09:04:35 +0500
From: "Gobrick, Robert (rgob)" <rgob@tengizchevroil.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>

Cc: "'N2APB George Heron'" <g.heron@dialogic.com>, "'WB9FLW Peter Eaton'"
<pjeaton@juno.com>
Subject: [3140] CCW
Message-ID: <c=GB%a=Infonet%p=Tengizchevroil%l=KZTCOV-MSX2-980206040435Z-13962@kz-
tz-hv-msx01.tengizchevroil.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

QRP-L gang,

Of interest to the Coherent CW discussion - one of the featured papers at the QRP ARCI "Four Days in May" QRP Symposium on Thursday May 14, 1998 (Days Inn Dayton South) will be a joint paper on CCW by Pete Eaton WB9FLW (St. Louis QRP Club and TAPR fame) and George Heron N2APB (NJ QRP Club). The paper will be published in the QRP ARCI FDIM Proceedings for folks who are not able to make it to Dayton for this super Symposium. Of interest is that Pete has an extensive cataloged history of CCW development articles. Finally I'm hoping that since these guys are from the St. Louis and NJ QRP Clubs that maybe, just maybe, we'll see some joint club development "kits" mentioned during the show. (I've started this rumor - so don't blame it on them - hi)

Cheers 73/72 Bob UN7/N0EB - FDIM Publicity Chair

Date: Thu, 05 Feb 1998 21:53:52 EST
From: kb9iua@juno.com (Kevin L Anderson)
To: qrp-l@Lehigh.EDU
Subject: [3141] "end of Earth" reports possibly premature :-)
Message-ID: <19980205.205309.7831.2.kb9iua@juno.com>

I suspect it is only temporary, but the "end of the earth" reports previously suggested by this author may be premature. That will teach me for speaking too soon, as I at least found some small cracks in the wall :-).

Tonight I managed to work both the N/T and GAE foxes. Big thanks to Preston and Jim. Preston, you were blasting my ears off. Jim -- we were up and down in the QSB, but it is your TU that counts. (I had almost given up, as I had not heard a peep out of fox or hunters until 0200, and then you rose out, as did the background noise rise and all the

other hunters.)

A point for each of you. Thanks!

Cheers/72. Kevin, KB9IUA

Kevin Anderson, KB9IUA, Rock Island IL USA
kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil

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Date: Thu, 05 Feb 1998 20:23:04 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: mgipe@reliablemeters.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3142] Re: Fox and antenna axioms
Message-ID: <34DA9028.53EF@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael A. Gipe wrote:

>
> Many years ago, I learned the first axiom of antennas: "If it makes it
> through the winter, it's not big enough."
>
> I think my antenna is finally big enough.
>
> looked up. In the fading light, I saw one of the linear loading wires
> hanging like a septuagenarian slinky. BTW, this is not good.
>

All you wire antenna lovers take note..... If you ever spend money on
tall towers and big antennas, that's only the start of what you pay...

You pay in money. You pay in sore bodies. You pay in pinched fingers.
You pay in bent insteps on your boots. You pay in cold medicine. You pay
in taking your wife out to more dinners than you ever thought you could
eat. You pay in diamonds. You pay in cruises. (Feel free to complete the
list!)

But after you have had your first one, you always want one that is just a little bit higher. Just a little bit bigger. Just a little bit more expensive. :-)

Man, ain't this hobby fun??

Mike, I'd come over and help you fix it but it's snowing and I don't want to have to chain up going over the pass..... Otherwise, I'd be there in a flash.....

:-)

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Thu, 05 Feb 1998 22:29:22 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-l@Lehigh.EDU
Subject: [3143] FOX - Whoa..
Message-ID: <34DA91A2.14ACF48@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There I was, back in the shack, just puttering around 'kinda' listening for the fox, yep, there he was.. about 119. Figured it might take till closin' time to snag him. Then, all of a sudden I hear.. QSL ur 559... de KK6MC/5. Now, this was at 579 mind you.. hey, it's gotta be some jerk imitating him. I listened a while later, & hmmm, it sounds like him... OK, Bang, Bang.. Got him.

Couldn't believe what I heard... from absolutely nix to 579 in a 30 second period. He stayed up in strength till I turned off the rig..

Was using the GQ-40 with the Mini-DDS on the front end.. but called a bunch of times & couldn't get him. Switched back to the 940 & got him. After looking at the GQ-40, noticed that the power pot was down. Duh!

A good night! Hope lotsa pelts were given!

cu all on Saturday!

Tim W5FN

Date: Thu, 5 Feb 1998 22:58:03 -0500
From: n2jgu@juno.com (Gary M Diana)
To: qrp-1@Lehigh.EDU
Cc: n2jgu@juno.com, embres@FRONTIERNET.NET, ki6ds@dpo1.k12.ca.us
Subject: [3144] Herring Aid 5 / TIXIE Updates
Message-ID: <19980205.225803.3654.0.n2jgu@juno.com>

Hello all...

Doug KI6DS has been the driving force behind the "Back to the Future" series of projects. Well now that the Tuna Tin 2 transmitter board is now available from FAR Circuits, the Herring Aid 5 Receiver is the next effort. I've made some boards and you can see the images at:

<http://www.frontiernet.net/~embres>

There is nothing like taking a bare PC board and turning into a real circuit board in your own pyrex dish! This is truly a global project, as it was worked on by people across the US and Australia. Now if we could only implement a transporter, and not have to rely on the US Mail to get physical packages across the country!

TIXIE Update: please check the above link for more info on the delivery status of the TIXIE.

73 for now...
- Gary N2JGU
n2jgu@juno.com

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 5 Feb 1998 21:36:27 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-l@Lehigh.EDU
Subject: [3145] KK6MC Fox & FYBO
Message-ID: <199802060436.VAA10771@smtp01.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Started listening at 0130 and heard neither fox nor hunters for the first 45 minutes.

Talked to Dan N7VE on the LL and he was hearing nothing either. Then I started to hear a few hunters around 7038 but still no sign of the furry one. Around 0220 though, I began to hear a wispy little sig as the hunters stood by but still couldn't copy it. Suddenly he became readable and we QS0d at 0229...within 10 minutes he was peaking 9+10 and stayed above S9 until he closed around 0340. Definitely the loudest Fox I've ever heard.

Tnx Duffey, good job. CU in the FYBO test from NQ7RP.

BTW, heard you work Joe AB7TT and I think Bertie N7JXW...hopefully others at the FYBO rendezvous in Pinetop,AZ where they have 4" of snow. Roger has a laptop w/LL and no doubt will be keeping us apprised via QRP-L of the activities there.

73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343
ARRL AMSAT ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=108

Date: Thu, 05 Feb 1998 18:56:21 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: eakwik@mail.hac.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3146] Re: am I ready?
Message-ID: <34DA51A5.4488@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You're ready, relax, go for it.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364 SCI #1479 QRP-L #945 ARS #203
C.A.T.T #2115 FIST 2360 NORCAL ARRL

Date: Thu, 5 Feb 1998 22:19:06 -0800 (PST)
From: "David D. Meacham" <ddm@datatamers.com>
To: Luke Enriquez <lenriquez@pacific.simoco.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3147] Re: Does BOB from Wilderness Radio have an email?
Message-ID: <Pine.LNX.3.91.980205221636.1365A-100000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Luke,
Bob's E-mail address is: qrpbob@datatamers.com
72, Dave, W6EMD

Date: Fri, 6 Feb 1998 00:10:17 EST
From: SABorns@aol.com
To: qrp-l@Lehigh.EDU
Subject: [3148] MRX-40 Mini Receiver Kit
Message-ID: <7690160a.34da9b3c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello Gang,

CQrp still has kits available for the MRX-40 Mini Receiver. The kit is complete with PCB, controls, jacks, and all board mounted parts including 7.040 crystal. The receiver is direct conversion using the NE-612 and LM-380 chips and is tunable

about 3 khz. Size is 1" x 2" . Construction article on MRX-40 appeared in January QST. Price including shipping is \$18.00.

Order From: Steve Bornstein, K8IDN
473 East North Broadway
Columbus, Ohio 43214

73/72 Steve K8IDN

Date: Thu, 05 Feb 1998 05:15:51 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: flydnq7x@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3149] Re: KK6MC Fox & FYB0
Message-ID: <34D9AD77.C2F71B94@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Listened in vain for the first hour, but couldn't hear the Fox or any hunters. Lots of other signals, though, ID/M0/OK/TX/LA coming in fine. Have the OHR-400 and SLV/W5MMA set up, running 3 watts.

Finally left to get a sandwich, and came back right at the end of the hunt. Slipped the headset on, heard Jim call CQ Fox, answered, and put him in the bag. Booming signal right then, like someone turned a switch on.

Hope things are good Saturday. I have the laptop, digital camera, and an 800 number to my ISP, so we'll be posting pics as we get them. Jay WA5WHN has his camera too, as does Bob KI7MN, so it should be fun. Near real time stuff. Great practice for N4C.

Catch you all later....Roger, N7KT

Date: Fri, 6 Feb 1998 00:19:20 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:jamesd1@flash.net" <jamesd1@flash.net>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [3150] Tonite's Fox One Hour Late
Message-ID: <199802060021_MC2-321F-45E1@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Jim:

Well what a difference a day--er, night--makes. Last night couldn't even hear the FOX...but tonight you were *BOOMING* in here. At least that was true early, during our QSO. Didn't stay around at all afterward. Went looking for Preston N0GLM, hoping for a double. Worked until the end of his announced sked, but no luck whatsoever.

Was disappointed at the amount of QRM--some sounded deliberate--on the frequency. Plus some guy was maybe a khz or so lower, periodically saying "FOX?". Wow! Don't know if he ever quit, but hope so. Don't guys realise that if they can't hear the FOX for themselves, they can't work him?!

Hope you made lots of Q's! Thanks again for digging me out. Please be sure to stop by K0EVZ on Monday 23 Feb (local time) for my second stint. Scheduled to begin at 1800CST that evening (= 0000Z 24 Feb 98).

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/288-5108 (eves)

Date: Fri, 6 Feb 1998 00:28:31 EST
From: GERALDCUND@aol.com
To: andreas@atltech.com
Cc: qrp-1@Lehigh.EDU
Subject: [3151] Re: am I ready?
Message-ID: <f01c429.34da9f81@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I'd think you are ready. I use to use Computer test samples, Computer CW generation, and listen to CW tapes to and from work. I spent a year as a No-Code tech till I listened to Cw on my SW receiver. I was hooked. I upgraded to Extra and now am a VE here in Louisville. I've seen some come to test that

weren't nearly as prepared as you. Good Luck.

5 WPM is only the beginning of the fun. Go all the way. Then you won't have to worry if you're in your band limits HI!

Gerald,KE4LIA

Date: Fri, 6 Feb 1998 00:32:56 EST
From: GERALDCUND@aol.com
To: kl7jaf@polarnet.com
Cc: qrp-1@Lehigh.EDU
Subject: [3152] Re: Alaska QSO Party / AKQRP Newsletter
Message-ID: <bab7d1ab.34daa08a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I be there on 40m CW. I've been trying for AK for a year from Louisville to finish my WAS on 40m CW.

73-Gerald, KE4LIA

Date: Thu, 5 Feb 1998 23:35:03 -0600
From: "George Edwards" <gedwards@onramp.net>
To: <w5usj@webwide.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [3153] Re: N9DD Log for Feb. 5
Message-ID: <199802060545.XAA25509@mailhost.onramp.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Chuck....I worked him early.....but I am using a Cushcraft R7000 and seem to be getting my share of the foxes....

Ed/K5VUU/Spring Tx (just north of Houston)

> From: Chuck Carpenter <w5usj@webwide.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: N9DD Log for Feb. 5
> Date: Thursday, February 05, 1998 10:03 PM
>

> On nights with quickly changing conditions, I wonder if antenna polarity is
> more of a factor. I'm using a Butternut HF9V and am about to put up a
> W9INN 40 thru 10 dipole. It'll be interesting to see if reception is
> better on one or the other. I never heard Tom with the vertical after
about
> 0125 but I heard other TX 5s working him.
>
> 72/73 -- Chuck, W5USJ
> Rains County (pop 6900), TX - EM22cv
> ARCI # 5422, QRP-L # 1306, FISTS # 3984
>

Date: Fri, 6 Feb 1998 00:51:24 EST
From: GERALDCUND@aol.com
To: 70511.3041@compuserve.com
Cc: qrp-1@Lehigh.EDU
Subject: [3154] Re: Add RIT to SW40
Message-ID: <713780b3.34daa4de@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Dan's Small Parts has a RIT that works with the NN1G rig he offers. Whether it works with the SW40 I don't know. I've built two of them from the Nov 94 QST article

(named 40-40 in the article) for 40m and one for 30m and I never needed to use a RIT. Mine seemed pretty stable as is. First time out I work a guy on a sailboat off Catalina Island. He couldn't believe I was running 1w.

Check out his online catalog at www.fix.net/dans.html to see if he still offers it. \$6.00 is the price.

Gerald,KE4LIA

Date: Thu, 5 Feb 1998 23:01:14 -0500
From: w4bws@juno.com (Donald E Sanders)
To: pharden@aoc.nrao.edu
Cc: qrp-1@Lehigh.EDU
Subject: [3155] Re: SLQS 10th Anniversary Newsletter Offer
Message-ID: <19980206.000830.11622.0.w4bws@juno.com>

Paul you need a 12 step program to help you with your QRP problem. I suggest that means one qrp contest per month for 12 months-minimum. Thanks for the review.
Don W4BWS
w4bws@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 5 Feb 1998 22:14:48 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-l@Lehigh.EDU
Subject: [3156] Knightlites KnightSMiTe - BRAVO !!!!!
Message-ID: <v03007801b0ffe23a57ea@[204.119.15.112]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Great day at the Post Office box... There, hidden amongst the junque mail was a plain brown padded envelope with "The Knightlites QRP Club" on the top left corner...

What can I tell you guys... This is an extremely well done effort... The documentation is a crisp clear lazer printed affair including; introduction, theory of operation, construction, SM soldering hints & kinks, and the schematic and X4 PCB foil pattern... The parts placement chart is a stroke of genius, each component is taped onto the sheet so all you have to do is start at one end, pick up the part, and solder it onto the same place on the PCB... Slick!!! Icing on the cake is the inclusion of several extra SM components for soldering practice, a hank of solder, and the 9v battery connector...

Now where is my magnifying glass... Spousal unit says I need a new soldering station... I'll get right on it... Helps to have a wife that is also a Ham...

I've scanned in the PCB and the Parts Placement chart and will have them on the Alaska QRP Club web site by tomorrow morning... Take a look and as soon as I get brave and put mine together I will put up some photos of the finished unit...

Thanks Knightlites, one and all, for a very QRO QRP endeavor !!!

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www2.polarnet.com/~bhopskins/akqrp>

***** ALASKA QSO PARTY - MARCH 21ST & 22ND 1998 *****
See AKQRP Web Site for Details

Date: Fri, 6 Feb 1998 02:18:16 EST
From: ROYGREGSON@aol.com
To: qrp-l@Lehigh.EDU
Subject: [3157] EMTECH URL !
Message-ID: <aab64bb2.34dab93a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have to applogize. There is lots of confusion about the new and old URL's.
I'll try again to get ahold of my web guy, and get the old site deleted. The
new site is at....

<http://pages.prodigy.net/roygregson/> and it is being updated asap

!

Yes, the new ZM-2 is shipping, please disregard the "UNAVAILABLE" on the old
URL !

72's/73's Roy

Date: Thu, 5 Feb 1998 19:20:24 -0800
From: "Wayne Barnhart" <wb7whi@triax.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [3158] low pass filters
Message-ID: <199802060748.XAA21060@smtp.triax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Well, I didn't slap myself very hard. I had all the bits and pieces but had not put it together in this way. Thanks to those that replied. The information also answers another question I had been kinda working on as to why when looking at a schematic with a driver and final, specific components were chosen to feed the output of one transistor - the driver - into the input of another transistor, the final. I knew how to determine Rin and actually, thinking about it now, I knew how to find Zout. For whatever reason I just never put the bits of information together at the same time to allow for the understanding of Z matching between components. Love this stuff, Thanks guys..

Wayne WB7WHI
Spokane, Wa.

Date: Fri, 6 Feb 1998 04:09:21 EST
From: ROYGREGSON@aol.com
To: qrp-1@Lehigh.EDU
Subject: [3159] Mail bounced !
Message-ID: <c6aa81ee.34dad343@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Jake, at unknownsender@unknown.domain. the mail keeps bouncing, is that email address for real ? anyway try web at <http://pages.prodigy.net/roygregson/>

72's Roy

Date: Fri, 6 Feb 1998 02:30:13 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [3160] IF Cans from Dans
Message-ID: <Pine.SOL.3.91.980206022752.5360D-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I also purchased the grab bag of 100 different IF cans from Dan's, which most were colored green, red and blue. I measured them on the LCR meter and came up with the following:

Cans are marked "7517 JAPAN"

```

          ---=---   where "=" are the mounting tabs
7517      |2   3|   1,2,3,4 arbitrary pin numbers for testing
JAPAN     |     |
this side -->|1   4|
          ---=---
```

At least this is how the ones I got are.

TRANSFORMER has the blue core.

Primary windings (pins 1-2) tune from 3.3-4.2uH

Secondary windings (pins 2-3) tune from 500-700uH

ADJUSTABLE COILS

GREEN core pins 1-2 68-90uH pin 2 is the center tap
pins 1-3 480-660uH pins 1-3 is the full coil

RED core pins 2-3 73-100uH pin 3 is the center tap
pins 2-4 520-700uH pins 2-4 is the full coil

Is this what you got too? Hopefully this will help.

72, Paul NA5N

Date: Fri, 6 Feb 1998 06:56:06 EST
From: SABorns@aol.com
To: qrp-1@Lehigh.EDU
Subject: [3161] RE: MRX-40 QST Article
Message-ID: <446952bb.34dafa58@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Whoops!!

The construction article on the MRX-40 mini receiver is in the SEPTEMBER issue of QST not the January issue.

73/72 Steve K8IDN

Date: Fri, 6 Feb 1998 06:44:53 -0500
From: Rick McNelly <72507.235@compuserve.com>
To: qrp-1@Lehigh.EDU
Subject: [3162] Tidewater QRP Meeting
Message-ID: <199802060649_MC2-322C-AF7C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Hello all,

the Tidewater QRP group will meet at 2pm, this coming Sunday Feb 8th. Bring a rig or a project or a book you've found interesting. Even a work in progress!

Here are the directions to Fuddruckers by Chesapeake Square Mall.

Its located off 664, take exit 11B (Portsmouth Blvd/337 east), go just past Chesapeake Sq Mall, turn left on Taylor Rd, then left again at Raintree. Fuddruckers is located across from Belk's and near the Rio Bravo Cantina next to the mall.

I am bringing a sample issue of the ARCI QRP Quarterly that Bob Gobrick N0EB graciously sent us. Bob does the QRP Clubhouse column and is interested in including Tidewater QRP activities in the next issue.

I will also bring my way cool NorCal K8FF paddles. The next batch is going into production and will have narrow paddle spacing vice wide as mine are. So now is the time to place an order if you want one.

72/73's,

--Rick, KE4IZH

Chesapeake, Va.

Date: Fri, 6 Feb 1998 07:02:32 EST
From: N9DD@aol.com
To: w5usj@webwide.net
Cc: qrp-1@Lehigh.EDU
Subject: [3163] Re: N9DD Log for Feb. 5

Message-ID: <9c4c55fc.34dafbda@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 2/5/98 11:03:51 PM Eastern Standard Time, w5usj@webwide.net writes:

>
> On nights with quickly changing conditions, I wonder if antenna polarity is
> more of a factor.

Hi Chuck

I've always heard that antenna polarity makes little difference on HF signals that travel via the ionosphere - too much random "skewing" happens. I think radiation angle may be more of a factor.

At about 0125 during my fox hunt run, I switched from a sloping dipole that favored the NE, to my horizontal loop. I was immediately greeted by about a 20% increase in the number of stations calling me--a lot more fives and sevens were in there. It sure seemed to make a difference!

It wasn't a very good night for a fox hunt, but I still had fun, and I'm still learning something new all the time.

73 and see you all on the bands,

Tom N9DD
South Bend, IN

Date: Fri, 6 Feb 1998 09:39:20 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: adam-kanis@uiowa.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3164] Re: toroid measure
Message-ID: <+YFrAQAIpt20EwuC@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <3.0.3.32.19980205191107.00698524@mo1sun.opthth.uiowa.edu>,
"Adam B. Kanis" <adam-kanis@uiowa.edu> writes
>leon,
>
>i've been mulling this exact problem for a few days - care to share?
>

>>>>

>You can even measure the Q of the
>coil, at the same time.

Measure the resonant frequency, f , then measure the 3 dB bandwidth, BW
(where the voltage is .707 the value at resonance). The unloaded Q is
 f/BW . Actually, it's the Q of the resonant circuit, rather than the
coil.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Fri, 6 Feb 1998 07:37:00 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: ghanson@uts.cc.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3165] Re: 2N2222 Mixer design
Message-ID: <kegNRFAC2r20EwsE@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <34DA256B.76C7@uts.cc.utexas.edu>, "Gary R. Hanson"
<ghanson@uts.cc.utexas.edu> writes

>Hey gang,

>

>I've been reading Ulrich Rohde's article on "Key Components of Modern
>Receiver Design from his June 1994, QST article and came up with a
>question.

>

>He has a schematic on page 30 (it's also in the 1998 ARRL Handbook) of a
>single-balanced, push-pull bipolar transistor mixer. He used two
>2N5179's, but I'm going to try and substitute 2N2222's and see if I can
>get it to work.

You will need to alter the bias circuit, the 2N2222 has a much higher
hfe than the 2N5179, and will take too much current otherwise.

>

>There are two torroid transformers shown in the schematic, one of them
>is labeled as a 4:1 and the other is two 1:1 windings in parallel. My
>question is: Does the 4:1 ratio refer to an impedance ratio or the # of

>turns ratio? There is nothing in the article and no parts list, etc to
>suggest what it is. What's the standard operating procedure for
>reporting this stuff? I assume it refers to the impedance ratio, but
>I'm not an engineer and can't tell by looking at the circuit. The
>number of turns I put on the winding would vary dramtically depending on
>which interpretation I make, would it not? Any advice you have would be
>greatly appreciated.

The transformers are broadband transmission-line transformers - bifilar
wound on high-permeability (850 or so) toroidal or balun cores. The 4:1
refers to the impedance. Details on winding them are in the ARRL
Handbook.

[deleted]

73, Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Fri, 06 Feb 1998 08:06:30 -0800
From: mike czuhajewski <wa8mcq@abs.net>
To: QRP forum <qrp-1@Lehigh.EDU>
Subject: [3166] Re toroid color codes
Message-ID: <34DB3506.7359@abs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There was a little talk recently about identifying toroids, and I have
to stick in my two cents worth regarding colors on toroids. The short
answer is that, in general, the colors are totally meaningless since
there is no universal color code in the industry. The only reason we
"know" what a core is when we see it is that virtually all of the
colored toroids we use come from one manufacturer, which is Micrometals.
Amidon is one retailer that sells their products, along with others.

Their color code is their own and is used by no one else. If you have a
handfull of cores and positively know that they were made by
Micrometals, by buying them from a vendor that you trust, then you can
tell what they are by the colors. If you don't know who made the cores,
all bets are off :-). If you go to a hamfest and see a good price on red
cores, don't get too excited. They could be what you'd normally expect

from a red core (powdered iron of type 2 material), or they could very well be ferrites of much higher permeability, and any value, at that.

Happily, the Micrometals cores do have a certain "look" to them and sometimes the trained eye can identify them as such, but in general I avoid hamfest toroids like the plague. (And even if they have a label on them that identifies them as, say, T50-6, T50-2, etc, don't put too much trust in that unless they LOOK like Micrometals (Amidon) cores; the seller could be wrong!)

I had an item on toroid colors in my Idea Exchange column in the QRP Quarterly several years ago, and a much condensed version appeared later in Technical Correspondence in QST. Here's a copy of the QRP Quarterly item for your reading pleasure. (It also appears under the "articles" subdirectory of qrp-1 at lehigh.edu.)

PRACTICE SAFE FERROMAGNETIC SEX; BEWARE OF FERRITES IN POWDERED IRONS CLOTHING

Or, Can You REALLY Trust Color Codes on Toroids?

This article originally appeared in my Idea Exchange column in the QRP Quarterly for April 1993, page 29. Copyright 1993, Michael A. Czuahajewski. Non-commercial reprinting or reposting permitted with proper credit.

>From me, WA8MCQ--Here is this months technical quiz: 1) What is the permeability of a yellow toroidal core? 2) If you see a box of red toroids at a hamfest at a great price, should you buy some to make low pass filters for your 80 or 40 meter rig?

The answers: 1) Anything the manufacturer wants it to be. 2) If you expect the rig to work properly, probably not!

Can we REALLY trust the color codes on toroids? Not necessarily; only if you know who made them. Serious homebrewers are familiar with the colors used by Amidon and know many of them by heart. We usually use yellows and reds, with an occasional blue, black or gray, and in the future we'll probably start using whites. (More on that last one earlier.) [The item I referred to there was in the same column, and I included it at the end of this file.] The problem is

that there is little standardization among people who make cores. A core of a certain color could be a powdered iron or a ferrite, and it could have any of several different permeability values, depending on who made it. There is no universal color code for toroids.

In his QRP column in the October 1992 issue of 73 Amateur Radio Today, Mike Bryce (WB8VGE) talked about the Stockton bidirectional QRP wattmeter. This is a nifty little item introduced in the Winter 1989/1990 issue of SPRAT (#61), and a kit of parts (less meters) is available both from Kanga Kits in the UK as well as Kanga US, which is run by Bill Kelsey, N8ET of Findlay, OH. (It will also be included in an article I'm writing about directional couplers.)

Mike mentioned that he didn't know what type of toroid cores were used; they were supplied in the kit but not identified. He suggested that if you tried to build your own you could try a T60-6. I suspected that was a typo, instead of T50-6, and he confirmed that. However, I later found out that Micrometals, which makes the powdered irons sold by Amidon, does make a T60-6 core on special order.

Still, type 6 powdered iron didn't sound quite right for this application, since the schematic in the column (and in SPRAT) shows 12 turns on each core, and that would result in too little inductance for good performance on the lower bands. You'd normally expect to see a ferrite core used with that number of turns. (Details are beyond the scope of this article, but will be included in the one on the directional coupler.)

I did some checking, and it turns out that the cores in the kit are ferrites which look like powdered irons--they're painted yellow, just like type 6 powdered iron material! The SPRAT article says they are yellow, and I can verify that--K3TKS loaned me the cores in his Kanga kit to play with, and sure enough, they are! They're made of type S1 ferrite by Salford Electrical Instruments, a British firm. SPRAT didn't further identify them as to permeability, although their description made it sound like it was somewhat similar to the more familiar type 43 ferrite.

I checked about 6 years worth of SPRAT, and the vast majority of toroids used in their projects carry Amidon part numbers. There are very few from other manufacturers; two names were Mullard and Neosid, and I know nothing of their cores.

Mike's thinking they were type 6 material is quite understandable, and I would have thought the same thing--I would never have expected to find a ham kit with a ferrite painted like a powdered iron. We automatically assume that a yellow core is type 6 material. Unfortunately, it turns out that's a bad mistake--color does not

uniquely identify toroid cores. There is no universally accepted color code.

We have a good example of a foreign manufacturer using color codes differently. Do we care? How often are we likely to come across a core made in a different country? Considering the way the world is now, probably not all that unlikely! Unfortunately, we also run into the same problem from a variety of domestic manufacturers. A red core isn't always type 2 material, and in fact may not even be powdered iron. The permeability of a red core could be 10, which is what we're familiar with, but it could also be 850, 1800 or 10,000. And, depending on what a customer specifies when he orders, a core of ANY permeability could be red!

I see a lot of equipment and circuit boards with toroids at hamfests and homebrewers always scrounge them for parts. Who made the cores? What colors does that company use? I see dealers selling surplus toroids at every hamfest I go to. Those usually have tags on each box indicating what type they are. They may be right--the vendor may have taken them out of a bag or box labelled by the manufacturer, or they may be making an educated guess, and that could be wrong.

The toroids most of us are familiar with are sold (but not made) by Amidon and Palomar. The powdered irons are color coded, while the ferrites are all uncoated. The Micrometals/Amidon powdered irons, their color codes and permeabilities are:

0, tan, 1 (this is actually phenolic, not powdered iron)
1, blue, 20
2, red, 10
3, gray, 35
6, yellow, 8
7, white, 9
10, black, 6
12 and 17, green/white, 3.5
15, red/white, 25
26, yellow/white, 75

The ones we see the most, by far, are the type 2 and 6, reds and yellows. You might occasionally see types 3 (gray), 10 (black), 0 (tan) and 1 (blue), and I've seen articles using all of them. I also see type 26, yellow/white, in switching power supplies. (Warning--do not use that type of core for any HF projects. Although it's a powdered iron, it's a low Q, low frequency material, more suited for DC choke and AC line filter applications.)

People with access to Micrometals catalogs started to realize that the temperature coefficient of type 7 (white) was even better than

type 6, at 30 PPM vs. 35, and this got occasional mention in the ham press. Unfortunately, it was not readily available, at least not from Amidon, which is probably the best known ham supplier. However, it now appears on their price list. They stock it in sizes T37, T44, T50 and T68. As word of its easy availability and superior stability spreads, I would expect that it will see increased use in VF0s, and we'll become more familiar with it. (See earlier item.)

I did some digging in brochures and catalogs from Ferroxcube, Pyroferric, Arnold Engineering and others. Some supply cores already color coded, and there is little standardization among them. Some make no mention of colors, and presumably their cores are bare. Others say that they can be coated on request, and don't say anything else; presumably the customer could order any color he wants. Others do say they can be had in any color you specify. If someone orders a few thousand cores to build into his equipment, which might end up in your junk box some day, the colors on those cores could be anything he wants--he doesn't know that red or yellow have special meanings to us.

Pyroferric makes powdered irons. The only brochure I have from them covers "high permeability materials for EMI and power filters", so I don't know about their other products. This category covers powdered irons with permeabilities ranging from 50 to 75. Some colors are red/white, green/gray, red/gray, and white/gray. No problem so far, since most of these do not conflict with our "normal" colors. However, they use gray for the core with permeability of 60, which could be confused with the gray Type 3 material from Amidon (permeability of 35, and occasionally used in ham projects, such as a directional coupler by Grebenkemper in QST, and an artificial ground tuner by KB4ZGC in a recent 73 magazine).

Arnold Engineering is "good folks"; they make some of the same cores that Micrometals does. These include the SF, TH, C, E, W, HP and GS6. Those of those designators may look familiar--you'll find them mentioned in the Amidon brochures; look up the descriptions in the section titled "Iron powder cores and materials" and you'll see those correspond to types 6, 7, 1, 2, 10, 3 and 15. The color codes match up, too, for the blue C (1), red E (2), yellow SF (6) and white TH (7). But now things start getting interesting--they do NOT color code the W (10), which is black when it comes from Amidon, or the HP (3, gray) or GS6 (15, red/white).

Their GQ4, permeability (ui) of 35, is orange, and type 55 (ui 33) is brown. Their type 75 (ui 75, and probably similar to the Amidon/Micrometals type 26, white/yellow) is black--the color used by the Amidon type 10, ui 6. But wait--the double asterisks on their chart by brown and black indicates that those two colors are

available by request only--those two cores usually come without any coating. Their type W (Amidon type 10, black) and HP (Amidon type 3, gray) always come without coatings, as do the majority of their powdered irons. Finally, to totally confuse things, the single asterisk at the very top of the chart indicates that ALL of their cores can be had with ANY color you want if you pay extra for it!

Next, on to Ferroxcube. They have some familiar colors--brown, blue, gray, white, red. These suckers aren't even powdered irons--they're all ferrites! The Ferroxcube designators and permeabilities are 3C6A/2000, 3C8/2700, 3D3/750, 3E2A/5000 and 3E5/10,000. They also have type 4C4, coded green, with permeability of 125, which is the same as the familiar type 61 ferrite.

Siemens has their M33 ferrite, ui 750, colored white, like the Micrometals type 7 powdered iron, with ui of 9. They also have type U17, gray, a low permeability ferrite with ui of 10. Their red core is type N22 ferrite, ui 1800--try using one of THOSE red cores in a circuit that calls for a T50-2! As for Stackpole, you can get any of their ferrites in black, green or gray, on request. Permeabilities on those range from 12.5 to 2500. The ferrites from Magnetics, ui from 750 to 15,000, are available in black or gray.

Finally, some more familiar colors with unfamiliar characteristics, from Steward, all ferrites: yellow, ui of 10,000; blue, 5000; orange, 2700; red, 850 (the same as the familiar type 43 ferrite from Amidon); green, 125, the same as Amidons 61 ferrite; and gray, 80.

If you're still with me and not totally confused, it's time for the moral of all this, which is to be very suspicious of any colored toroid that you get from a source other than a trusted dealer--practice safe ferromagnetic sex. It may be nowhere near what you think it is. If you buy from a toroid retailer like Amidon or Palomar, or a trusted surplus source such as Danny Stevig, KA7QJY, you know what you're getting. Otherwise, the cores you get might not be what they appear to be. Don't put blind faith in the color code, since there is no uniformity. Resistors have a single, universal color code but toroids do not.

insert this chart somewhere--

Color	Permeability, depending on manufacturer
-------	--

Yellow	8; 10,000
Red	10; 850; 1800; 10,000
Blue	20; 2700; 5000
Gray	10; 35; 60; 80; 750; any other value the customer desires
White	9; 750; 5000
Black	6; any other value the customer desires
Green	125; any other value the customer desires
Orange	35; 2700
Any color	Any value the customer desires

[A condensed version of this article appeared in the QST Technical Correspondence column in the March 1994 issue, page 81.]

--qrp--

And here's the item about white cores that was mentioned in passing in the article above; this was in the same column, on page 27.

IMPROVED TOROID CORE FOR VFO USE

>From me, WA8MCQ--In recent years, type 7 powdered iron material has been getting a bit more notice. It has slightly better temperature stability than the popular type 6 which is usually used in VFOs.

The general rule of thumb has been that you should use type 6 (yellow) for VFO coils since it had the lowest temperature coefficient of all cores sold in the past by Amidon, 35 parts per million (PPM) per degree Celsius. Type 7 comes in a bit under that, at 30 PPM. By comparison, type 2 (red), sometimes used in VFOs, is 95 PPM. That doesn't mean you can't successfully use type 2, of course; best stability is obtained when the temperature coefficients of the coils and capacitors match but with opposite signs, for a net coefficient of zero. However, most VFO circuits use type NP0 (sometimes called COG) capacitors, which have a nominal coefficient of 0 PPM, with a tolerance of +/- 30 PPM. When using these, you want to have the lowest coefficient possible in the coil.

This core has not been widely used in ham projects since it was not readily available; although manufactured by Micrometals for years, it was not stocked by Amidon until recently. They now have it for sale, and it is available in T37-7, T44-7, T50-7 and T68-7 cores. The permeability is between that of type 2 (red) and type 6 (yellow) materials, and the cores are color coded white. I expect to see this

material start appearing in homebrew VFO projects. (Hint.) One kit maker is already doing it--WA4KAC let me see his brand new W7EL kit from Oak Hills Research, and it uses this core.

--DE WA8MCQ

--

73 and Queue Our Pea de WA8MCQ wa8mcq@abs.net

Date: Fri, 6 Feb 1998 06:09:09 -0800 (PST)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [3167] RE: Those dern HTML files, How to use them plus
Message-ID: <19980206140909.11767.rocketmail@send1c.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Jess sends a few. I found part of the problem to be that I receive QRP-L as a digest. When Jess sent one directly to me Yahoo did just fine displaying & downloading the GIF. Yahoo also handles the HTML as text & shows the HTML as well.

However, if you want to see HTML without all the code do as I suggested in my last posting...

If you want to read these things without all the HTML junk showing up, use a text editor to dump them into temp files such as: tmp.htm copy everything from <HTML> to & including </HTML> then open your web browser and tell it to read the file.

Example: I save this in tmp.htm at: C:\P\TT, so in the address line of my browser I type: c:\p\tt\tmp.htm, then bingo the text as the person wanted us to see it is up & readable, no HTML codes visible. It can now be printed, or copied.

If you copy it as TEXT it will drop all the HTML codes.

There are other problems I'm sure, but if you get the HTML portion and you have a web browser (You do NOT need an internet account to run the browser! It will work just fine for looking

at HTML files.) use a text editor as I explained and the web browser to view the HTML.

It could find a use if we could send schematics with HTML but not as an image, somehow as simple "text", then being able to print it out would be an advantage.

Even an Image would work IF you get the messages directly & not in digest form.

Last, If you have an internet connection and you get an HTML file, and in that file is a direct path to a graphic file, do as I suggest above, and run the browser connected to the internet and it will find the graphic. You can then print it out! This could work for schematics et el!

73 de KE3FL

==

Phil K

home: ke3fl@juno.com

work: pxk4@cdhr.fda.gov (FDA use only please)

Alt: ke3fl@yahoo.com

Web: <http://www.qsl.net/ke3fl>

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 06 Feb 1998 09:28:46 -0500 (EST)
From: jeverhar@camden.lmco.com
To: qrp-1@Lehigh.EDU
Cc: cfishman@pica.army.mil
Subject: [3168] Re: VFO Temp Compensation
Message-ID: <9802061428.AA01884@train11.CAMDEN.LMCO.COM>

Clark you wrote:

>I saw an interesting circuit in the RSGB Communications Handbook for
>temperature compensating oscillators. It was a bridge with matching
>negative temperature coefficient thermistors on opposite legs of the
>bridge and a pot with its ends connected to the middle of the 2 bridge

>ends. The wiper of the pot feeds a varactor in the VFO and the pot is
>"tuned" for the temperature coefficient that best stabizes the VFO.
>this is a modern version of the split cap technique used in the
>Hallcrafters HT-32 transmitter designed in the year 0 (hi)....yes I have
>one.
>
>So the next time your VFO starts drifting think of using this idea
>
>Clark Fishman WA2UNN cfishman@pica.army.mil

I was browsing thru my 1995 ARRL handbook and saw what is probably the same
circuit attributed to GM4ZNX. Looks like a good idea!

I'm continually impressed with what the "Handbook" upgrades periodically.
There's some really *neat* stuff in there! The downside, of course is that,
it necessitates removing material to make room for the new. Apparently the
CCW info mentioned earlier is one of those casualties.

72/73,

Joe E., N2CX

Date: Fri, 6 Feb 1998 06:33:23 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Philip Karras <ke3fl@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3169] RE: Those dern HTML files, How to use them plus
Message-ID: <Pine.SUN.3.90.980206062259.14259A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Philip and all,

What I fail to see is why anyone (knowingly) uses HTML to send
text files to the list. (I can fully understand people not
knowing they are doing it!)

Text is just text. The value should be in the content, not in
the format! No need to try and be fancy!

But far easier than saving files, downloading into a text editor
and finally seeing three screens full of old posts quoted, followed
by something like "I agree", I just simply hit the "Delete" key
and save myself a whole lot of time!

There, now I feel better! :-)

QBQRP:

There is still a few hours left to join one of the fantastic QRP teams for the NA Sprint.

The QRP Warlords will be doing battle with the Les Petits Guerillas to see who will wear the crown as the first ever team to win the QRP section of the Sprint!!

I'll post the team members soon.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 6 Feb 1998 06:38:03 -0800 (PST)
From: Philip Karras <ke3fl@yahoo.com>
To: Monte Stark <ku7y@sage.dri.edu>
Cc: qrp-l@Lehigh.EDU
Subject: [3170] RE: Those dern HTML files, How to use them plus
Message-ID: <19980206143803.10747.rocketmail@send1a.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I couldn't agree more about simple text, please don't miss the point tho' that HTML might be a way for us to use a simple text method to exchange graphic information such as schematics! Something I think might be worth while looking into.

73 Monty & all
de KE3FL
Phil K

---Monte Stark wrote:

>
> Hi Philip and all,
>
> What I fail to see is why anyone (knowingly) uses HTML to send
> text files to the list. (I can fully understand people not
> knowing they are doing it!)
>
> Text is just text. The value should be in the content, not in
> the format! No need to try and be fancy!
>
> But far easier than saving files, downloading into a text editor
> and finally seeing three screens full of old posts quoted, followed
> by something like "I agree", I just simply hit the "Delete" key
> and save myself a whole lot of time!
>
> There, now I feel better! :-)

==
Phil K
home: ke3fl@juno.com
work: pxk4@cdhr.fda.gov (FDA use only please)
Alt: ke3fl@yahoo.com
Web: <http://www.qsl.net/ke3fl>

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 06 Feb 1998 08:46:16 -0600
From: Roger Cook <rcook@hiwaay.net>
To: QRP-L@Lehigh.EDU
Subject: [3171] [Fwd: UNSUBSCRIBE QRP-L Roger Cook K040]
Message-ID: <34DB2238.73E6@hiwaay.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----534F4CA47342"

This is a multi-part message in MIME format.

-----534F4CA47342
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

UNSUBSCRIBE QRP-L ROGER COOK K040

-----534F4CA47342

Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from fidoii.CC.Lehigh.EDU by fly.HiWAAy.net;
(8.8.5/1.1.8.2/21Sep95-1003PM)
id XAA18279; Sun, 23 Mar 1997 23:19:05 -0600 (CST)
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.lehigh.edu with SMTP id
<34895-37980>; Mon, 24 Mar 1997 00:19:03 -0500
Date: Mon, 24 Mar 1997 00:18:59 EST
Reply-To: listproc@Lehigh.EDU
Sender: listproc@Lehigh.EDU
From: Lehigh University List Server <listproc@Lehigh.EDU>
To: rcCook@hiwaay.net
Subject: SUBSCRIBE QRP-L Roger Cook K040
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
X-Mailer: Mozilla 3.0 (Win16; I)
Message-Id: <97Mar24.001903est.34895-37980+3@fidoii.cc.lehigh.edu>

Hello rcCook@hiwaay.net!

You have been added to list qrp-l@Lehigh.EDU. Please read this
message carefully, as it contains important information about the list.

You have been assigned a randomly generated password: 859180739.
While the password is not very useful at this time, new facilities to be
implemented in the near future will require it's use. You may change the
password by sending the following command, in the body of a mail message,
to listproc@Lehigh.EDU:

SET QRP-L PASSWORD 859180739 new-password

where 'new-password' is what you wish to change it to. Don't use the login
password from your system; you will be breaching security at your site.

* * * * *

Welcome to the Internet QRP mailing list!

CONTENTS:

1. Introduction
2. The Essentials
3. Common List Server Commands
4. QRP-L Unique List Server Commands

- 5. FTP Archive
- 6. WWW HyperMail Archive
- 7. QRP-L History

1. INTRODUCTION

The QRP mailing list is open for discussion of any subjects relating to low-power amateur radio operation. Example topics: portable operation, equipment design and construction, solar and battery power, QRPP, contesting, kit building, ... There is one topic that should not be discussed on QRP-L: The Dayton HamFest. There is a separate list for that: DAYTON-L@Lehigh.EDU.

2. THE ESSENTIALS

* COMMANDS TO THE LIST SERVER

Must be sent to listserv@Lehigh.EDU in the BODY of the mail message, not in the Subject: of the message. Leave the Subject: blank or type in an "X" if your system requires.

* POSTING TO THE LIST

Messages you wish to have distributed to the list must be sent to qrp-l@Lehigh.EDU.

* OTHER STUFF

A copy of this file is available in QRP-L/WELCOME.TXT. Hopefully an up-to-date Frequently Asked Questions (FAQ) file will soon be available to supplement or replace this file. Watch for an announcement on the list.

Please keep your mailing address up to date. If your e-mail address is to be changed please unsubscribe and resubscribe from the new address. If your mail bounces for 'no such user' or 'no such machine', you will be removed from the list. Please try to subscribe from a system that doesn't send periodic 'I couldn't deliver the mail for 1 hour/3 hours/1 day/etc.' messages as it makes it that much more difficult to manage the list.

Please do **not** send subscribe/unsubscribe requests to the entire list. If you are having problems, send email to:

Jim Eshleman <lujce@Lehigh.EDU>

or

Chuck Adams <adams@sgi.com>

3. COMMON LIST SERVER COMMANDS

Remember, all these commands must be sent to `listserv@Lehigh.EDU` in the BODY of the mail message, NOT in the Subject: of the message.

* GETTING ON THE LIST

```
SUBSCRIBE QRP-L your_name your_call
```

where "your_name" is your real name, and "your_call" is your callsign, if any. For example:

```
SUBSCRIBE QRP-L John Doe K5FJZ
```

* GETTING OFF THE LIST

```
UNSUBSCRIBE QRP-L
```

* SUBSCRIBING TO THE DAILY DIGEST

If you'd rather receive one e-mail a day containing all the postings with a table of contents at the beginning, use this command after you have subscribed to the list. Warning: The daily digests are large. You also use this command to start receiving digests again after having postponed your subscription.

```
SET QRP-L MAIL DIGEST
```

* POSTPONING YOUR SUBSCRIPTION

If you're going on vacation, or you just want to stop receiving QRP-L for awhile but still want to remain a member of the group, use this command. You'll still appear on the recipients list, but will receive no mail.

```
SET QRP-L MAIL POSTPONE
```

* RECEIVING INDIVIDUAL POSTINGS

Use this command to start receiving individual postings after having subscribed to the digest or postponed your subscription. This is the default set when you first subscribe to QRP-L.

```
SET QRP-L MAIL ACK
```

* GETTING A LIST OF SUBSCRIBERS

Use this command to receive a list of all QRP-L subscribers. The list

includes each subscribers name, e-mail address, and call.

RECIPIENTS QRP-L

* OBTAINING A FILE INDEX

To receive a list of all QRP-L related files available via the list server, use this command. Note that all the files are also available via the anonymous FTP server at ftp.Lehigh.EDU.

INDEX QRP-L -ALL

* RETRIEVING A FILE

Use this command to retrieve a file via the list server. If the file is a binary file it will be UUEncoded before being sent.

GET QRP-L/subdirectory filename

For example, to retrieve the daily archive (all the list messages) from April 6, 1993 use the following command:

GET QRP-L/ARCHIVES/1993 930406

* SEARCHING THE ARCHIVES

You can search the list archives (files) for a "regular expression" pattern. If you don't know what that means, you can just specify a word. All files in the specified archive (directory) are searched. While the search is case insensitive, the server seems to have trouble at times with uppercase letters in the pattern, so please use all lower case characters. The output returned to you just shows the lines in each file that matched the pattern. You then have to GET the file(s) you want. Send a HELP SEARCH command for more information. For example:

SEARCH QRP-L/ARCHIVES/1995 "^subject:&administrivia"

returns the following output:

Matches for pattern ^subject:&administrivia ...

--- Archive: Archives (path: qrp-l/Archives/1995)

>>> File 950522:

Subject: Administrivia

<<< End of matches in file 950522

```
>>> File 950525:
Subject: Administrivia: Digests
Subject: Administrivia: lost mail
Subject: Re: Administrivia: lost mail
<<< End of matches in file 950525
```

```
>>> File 950601:
Subject: Administrivia: Digest format
<<< End of matches in file 950601
```

* OTHER LIST SERVER COMMANDS

For more information on all the available list server commands, try sending the following:

```
HELP
HELP TOPICS
```

and for more detailed information on a specific command, like GET:

```
HELP GET
```

4. QRP-L UNIQUE LIST SERVER COMMANDS

* OBTAINING A QRP-L MEMBER NUMBER

Use this command to obtain a QRP-L member number.

```
RUN QRP-L X GETNR callsign
```

where "callsign" is your callsign. Use the word NONE if you don't yet have a callsign. The list of assigned member numbers can be had via the command:

```
GET QRP-L/MISC MEMBER_NUMBERS.TXT
```

* RECIPIENTS SORTED BY CALL AREA

This command runs Smitty's qrp_call program, which returns a report of QRP-L subscribers sorted by call within call area.

```
RUN QRP-L X QRP_CALL
```

A PC version of the program is available in QRP-L/TOOLS/QRP_CALL.ZIP. It uses the output of the list servers RECIPIENTS QRP-L command as input.

* GREAT CIRCLE DISTANCE

You can compute the great circle distance between a pair of Lat/Long locations. For example:

```
RUN QRP-L X GC 40.3476N75.2046W 32.4700N96.4800W
```

returns:

Bearing is 252 Degrees for 1130 Nautical Miles = 1300 Miles = 2092 Km

* LOOKUP A CALL IN THE FCC DATABASE

```
RUN QRP-L X FCC_CALL callsign
```

where "callsign" is the call you wish to lookup.

* GREAT CIRCLE DISTANCE BETWEEN TWO CALLS

```
RUN QRP-L X CALLS2DIST callsign1 callsign2
```

For example:

```
RUN QRP-L X CALLS2DIST N3VXI K5FO
```

returns:

```
N3VXI  ZIP = 18055
K5FO   QTH = ADAMS, CHARLES N
        BOX 181150
        DALLAS                      TX  75218-8150
```

```
N3VXI  Lat/Long = 40 34 46 N  75 20 28 W
K5FO   Lat/Long = 32 47 00 N  96 48 00 W
```

Output from "gc 40.3476N75.2046W 32.4700N96.4800W":

Bearing is 252 Degrees for 1130 Nautical Miles = 1300 Miles = 2092 Km

5. FTP ARCHIVE

The anonymous FTP archive at [ftp.lehigh.edu](ftp://ftp.lehigh.edu/pub/listserv/qrp-l) in `pub/listserv/qrp-l` mirrors the files available from the list server. Or use a WWW browser:

```
ftp://ftp.lehigh.edu/pub/listserv/qrp-l
```

Note that files are compressed, i.e. end with .Z, but if you ftp without the .Z extension, the file will automatically be uncompressed.

6. WWW HYPERMAIL ARCHIVE

You can read the postings to the list via the URL:

<http://www.lehigh.edu/lists/Archives/qrp-l>

7. QRP-L HISTORY

This list was started by Chuck Adams, K5F0, (adams@sgi.com) by an announcement on the rec.radio.amateur.misc USENET group in early 1993. Bruce Walker, WT1M, maintained the mailing lists and FTP area from then through August 1994 on a system at Thinking Machines Inc, Think.COM. Then it was moved to qrp-l@netcom.com until May 14th, 1995. Thanks to Mike Ardai, N1IST, for all his hard work during the time that QRP-L was on netcom.com.

Chuck is still the keeper of the non-electronic archives, including copies of some schematics, etc. Contact him directly or watch this list for more info.

-----534F4CA47342--

Date: Fri, 06 Feb 1998 09:12:27 -0600
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [3172] SGC
Message-ID: <002201bd3311\$a324cb00\$4d0b9595@mm-man.cc.tntech.edu>
MIME-version: 1.0
Content-type: multipart/alternative;
boundary="-----_NextPart_000_001F_01BD32DF.58580060"

This is a multi-part message in MIME format.

-----=_NextPart_000_001F_01BD32DF.58580060
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Anyone get updated news.. the delivery of a select few now seems to be =
kinda nebulous.. early Feb..=20

72

Jeff

Jeff M. Gold, Ed.S.

Manager, Academic Computing Support

Tennessee Technological University

Licensed Professional Counselor

Mental Health Service Provider

-----=_NextPart_000_001F_01BD32DF.58580060

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>Anyone get =
updated news..=20

the delivery of a select few now seems to be kinda nebulous.. early =
Feb..=20

</DIV>

<DIV><FONT color=3D#0000ff face=3D"Times New Roman" =
size=3D4> </DIV>

<DIV><FONT color=3D#0000ff face=3D"Times New Roman" =
size=3D4>72</DIV>

<DIV><FONT color=3D#0000ff face=3D"Times New Roman" =
size=3D4>Jeff</DIV>

<DIV>Jeff M. =
Gold,=20

Ed.S.
Manager, Academic Computing Support
Tennessee Technological=20
University
Licensed Professional Counselor
Mental Health Service=20
Provider</DIV></BODY></HTML>

-----=_NextPart_000_001F_01BD32DF.58580060--

Date: Fri, 06 Feb 1998 09:13:14 -0600

From: "Jeff M. Gold" <JGold@tntech.edu>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [3173] EMTECH 40
Message-ID: <002a01bd3311\$beeff760\$4d0b9595@mm-man.cc.tntech.edu>
MIME-version: 1.0
Content-type: multipart/alternative;
boundary="-----=_NextPart_000_0027_01BD32DF.7433F5A0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0027_01BD32DF.7433F5A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I have a perfect Emtech in Emtech case with audio filter and VB filters. =
will sell for \$130 shipped cont. US.

72
Jeff, AC4HF

Jeff M. Gold, Ed.S.
Manager, Academic Computing Support
Tennessee Technological University
Licensed Professional Counselor
Mental Health Service Provider

-----=_NextPart_000_0027_01BD32DF.7433F5A0
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>I have a =
perfect Emtech=20
in Emtech case with audio filter and VB filters. will sell for \$130 =
shipped=20
cont. US.</DIV>
<DIV><FONT color=3D#0000ff face=3D"Times New Roman" =
size=3D4> </DIV>
<DIV><FONT color=3D#0000ff face=3D"Times New Roman" =

size=3D4>72</DIV>
<DIV>Jeff,=20
AC4HF
</DIV>
<DIV> </DIV>
<DIV>Jeff M. =
Gold,=20
Ed.S.
Manager, Academic Computing Support
Tennessee Technological=20
University
Licensed Professional Counselor
Mental Health Service=20
Provider</DIV></BODY></HTML>

-----=_NextPart_000_0027_01BD32DF.7433F5A0--

Date: Fri, 06 Feb 1998 09:14:25 -0600
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [3174] NW80 80 for sale
Message-ID: <003201bd3311\$e97ebde0\$4d0b9595@mm-man.cc.tntech.edu>
MIME-version: 1.0
Content-type: multipart/alternative;
boundary="-----=_NextPart_000_002F_01BD32DF.9EB1F340"

This is a multi-part message in MIME format.

-----=_NextPart_000_002F_01BD32DF.9EB1F340
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I am completing a Dan's NW8080.. just fine tuning. In RS case.. already =
had some good long qsos on it. will sell for \$65 shipped Cont. US.

72

Jeff, AC4HF

Jeff M. Gold, Ed.S.
Manager, Academic Computing Support
Tennessee Technological University
Licensed Professional Counselor
Mental Health Service Provider

-----=_NextPart_000_002F_01BD32DF.9EB1F340
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT color=3D#0000ff face=3D"Times New Roman" size=3D4>I am =
completing a Dan's=20
NW8080.. just fine tuning. In RS case.. already had some good long qsos =
on it.=20
will sell for $65 shipped Cont. US.</FONT></DIV>
<DIV><FONT color=3D#0000ff face=3D"Times New Roman" =
size=3D4>72</FONT></DIV>
<DIV><FONT color=3D#0000ff face=3D"Times New Roman" size=3D4>Jeff, =
AC4HF</FONT></DIV>
<DIV><FONT color=3D#0000ff face=3D"Times New Roman" =
size=3D4></FONT>&nbsp;</DIV>
<DIV>&nbsp;</DIV>
<DIV><FONT color=3D#0000ff face=3D"Times New Roman" size=3D4>Jeff M. =
Gold,=20
Ed.S.<BR>Manager, Academic Computing Support<BR>Tennessee Technological=20
University<BR>Licensed Professional Counselor<BR>Mental Health Service=20
Provider</FONT></DIV></BODY></HTML>
```

-----=_NextPart_000_002F_01BD32DF.9EB1F340--

Date: Fri, 6 Feb 1998 10:21:13 EST
From: PDouglas12@aol.com
To: n2mnn@spacegate.com, qrp-1@Lehigh.EDU
Subject: [3175] Re: FOX: N/T Fox Friday evening, W2MBY
Message-ID: <fe5501f9.34db2a6b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

John,

While you are doing the Novice Fox tonight, do try to work around 3686 with your filter open a bit so us xtal controlled SMiTe and Pixie ops can give you

a shot!

72,

Preston Douglas WJ2V

Date: Fri, 06 Feb 1998 10:25:59 -0800
From: LYN WILLIAMS <designserv@ipass.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3176] Re: Burying coax &/or window line
Message-ID: <34DB55B7.9F3D2DEC@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I too like to use ladder line so I can use the antenna on multiple bands. If you do bury it in a pipe, remember to keep the pipe drained. Knew one guy that couldn't understand his loss until he found the pipe full of water. It's low loss only if the dielectric between and near the wires remains like the original air.

Someone educate me about those who are suggesting use of "twin lead" made of coax -- aren't they overlooking the fact that they will have high loss on bands where the load does not match the lead impedance?

Date: Fri, 6 Feb 1998 11:03:13 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [3177] B & K Scope
Message-ID: <01bd3318\$bab074c0\$0f5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

Anyone know if there is a Web site that has B & K Scopes on the page? Maybe the B & K Web site? I can't seem to find anything.

Thanks,
73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309

Date: Fri, 06 Feb 1998 16:22:30 +0000
From: Ed Loranger <we6w@qsl.net>
To: tahrens@inetport.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3178] Re: FOX - Whoa..
Message-ID: <34DB38C6.525F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tim, gang, I thought it was going to be easy pickens.

Sure, I got the fox, but check out this 'Twilight Zone'

I decided to use 5 Watts from my Drake TR-3. I tuned up at 7050 where it was quiet. I tuned around for 10 minutes hearing qso's but no fox. Then I look at the dial and I'm still monitoring 7047! What the?

So I quickly dropped down to 7038 or so and found Jim 559 to 599 working quickly to the crowd.

I was cocky: New Folded Bazooka antenna, high spirits from pixie2 adventure the night before -- It is just too easy I thought....

Finally after an entire hour and 10 minutes of 599

FOX signal breaking my ears, he calls me back with a QRZ?

QRZ? Hey! He's 599, surely I'm booming in. What's wrong.
I send my call as I monitor the Powermeter.

Shhhheeeeeesssssh!!!! 1 WATT! I forgot to repeak the darn
preselector when I moved down in freq.

I bumped the RF XMT gain up to 3 watts. Worked him there, fearing
I might go past 5 watts on the next transmit tweak.

Well, it made the hunt a little more exciting for sure.

So, another lesson learned. A small price to pay
for such a nice warm pelt.

72,
Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Fri, 06 Feb 1998 11:30:29 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: ke3fl@yahoo.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [3179] RE: Those dern HTML files, How to use them plus
Message-ID: <3.0.1.32.19980206113029.0073d3e4@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:38 AM 2/6/98 -0800, Philip Karras wrote:

>I couldn't agree more about simple text, please don't miss the
point
>tho' that HTML might be a way for us to use a simple text method to
>exchange graphic information such as schematics! Something I think
>might be worth while looking into.
>

I can see it a few years down the road, when mail readers have been
upgraded.

This thread won't be:

Those dern HTML files, How to use them plus

It will be:

Those dern TEXT files, How to use them plus

Change occurs Progress happens

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS (k8dd@tir.com)
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM
*/ QRP-ARCI - Director MI-QRP - Vice Pres.
*/ <http://www.QRPARCI.org>
*/ <http://www.geocities.com/capecanaveral/2844/miqrp.htm>

Date: Fri, 6 Feb 98 09:32:58 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [3180] Draft Fox Results 2/6/98 From KK6MC/5
Message-ID: <199802061634.KAA23869@endeavor.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Here is my preliminary results from last night's hunt. I apologize for showing up late, yesterday was one of those days that ended up as a real Zoo.

Virginia got invited out to dinner by the Dean of Home Economics from South Dakota State, her (and mine) alma mater, who was visiting in town. I agreed to do her bookkeeping duties at our Food Coop pickup, not realizing it conflicted with my FOX period. I did that and got on the air at 0145Z, about an hour and 15 minutes later than I planned, and 15 minutes later than I posted yesterday. All that proapagation planning I did last September down the drain. Plus I have a cold/flu which has me going at half speed as well. It is worse today, so I don't know if I will be in the field tomorrow or not. I would like to think that explains some of my problems last night. I had intended to operate for the full two hours, until 0346, but no one was around after 0334! I guess everybody took my posting that I would end at 0330 as gospel.

Conditions were good until the last half hour when most signals faded in and out of noise. I worked much of the US, as I had hoped. The best DX was Hawaii, KH6KQ0, believe it or not! I also worked the north east, MA, southwest, AL and FA, the North west, OR and BC, and lots of CA and TX stations. I also made many contacts with the midsection, WI, MI, OH. The big surprise for me was the number of short skip contacts late, I worked K50I in Las Cruces at 0317 as well as the ScQRPion bunch.

The pile up seemed fairly well behaved to me, although there were times I had problems picking out a station. I tried to get back to a station quickly, not giving people time to make multiple calls, but that was not always successful. I also tried to vary how I asked for calls and that seemed successful. I QSYed slightly a couple of times to get out of QRM, and the pack seemed to follow.

Let me know if there are any corrections that need to be made. I have no idea what happened to the leading zeros.

Time	Station	QTH
146	KG0M	NE
148	KU7Y	NV
149	K0EVZ	MN
151	WB9HFK	?
155	K1MG	CA
156	W8IZZ	OH
159	K10J	TX
201	K2VCO	NY
203	W6ZH	CA
205	W7SSM	AZ
206	N6MM	CA
208	KQ5U	TX
210	W5SB	TX
211	K6VNX	CA
213	W0CH	MO
215	W5HNS	TX
216	K5VUU	TX
217	N4ROA	VA
220	KH6KQ0	HI!
223	K5ZTY	TX
224	KB9IUA	IA
227	AB7TK	ID
229	NQ7X	AZ
231	VE4CQ	MAN
234	N6XU	CA
237	W6BAB	CA
239	W5FN	TX
240	AA9L	WI
242	AB7MY	AZ

244 KA5T TX
245 N6WG CA
247 KI7MN AZ
248 N7XJW AZ
250 WA1QVN MA
252 KI60Y CA
254 N7VE AZ
256 W3CD CA
259 KM3V AL
302 W9UQB AZ
304 WE6W CA
306 WD4MSM ?
311 K06KA CA
313 WA9PWP WI
315 W8RU MICH
317 K50I NM
318 W6NAE CA
320 N1TP FL
322 N9DD IN
324 KT7S OR
328 AB7TT AZ
332 N7KT AZ
334 VE7CQK BC

I get a total of 52, not bad, but I had hoped to do better. See you next month. - Duffey KK6MC/5

James R. Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest NM 87008

Date: Fri, 06 Feb 1998 08:58:34 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3181] Re: Draft Fox Results 2/6/98 From KK6MC/5
Message-ID: <34DB413A.2E1A8202@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

James R. Duffey wrote:

>
> 201 K2VC0 NY

I'm actually in CA. Propagation was fascinating -- you started out at 0145 at S4 and went up to S8. Then you started dropping back down. When I got you at 0201, you were S6. Then, right in the middle of our QSO, the bottom fell out of the band! I couldn't be sure that I'd worked you, and from then on you were close to the noise level. Guess the anti-West Coast curtain dropped about then. Thanks for digging me out!

Vic K2VCO

Date: Fri, 06 Feb 1998 17:01:57 +0000
From: Ed Loranger <we6w@qsl.net>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3182] Re: Draft Fox Results 2/6/98 From KK6MC/5
Message-ID: <34DB4205.207E@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Jim, thanks for the pelt. I wasn't sure when you were going to QRT, I first heard you about 18 minuts after you posted start time and all the way up to 0346! When you qrt! That's right, the ol' Folded Bazooka had you 559 at the worst and carried long peaks at 599!!!

At the end I had a sked with Doc, K0EVZ on the pixie2, but no joy.

I heard you calling and calling but my pixie2 doesn't go any lower than 7040 and I was about 600 Hz higher than you at the end.

I heard you 559 on the pixie2 at that time. When you had no takers, I tried with my 1/2 watt, but just couldn't break in.

FB on your stint as the fox. You seemed to work well despite all the QRM QSO's that were in progress near our QRG.

After all this rain here, it is nice to be pelted with something besides water!!!

OH, did you see my post on our initial contact in the hunt, I was at 1 watt and didn't know it!

72 om and hope you feel better soon.

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.

72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR

<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Fri, 6 Feb 1998 10:21:54 -0700

From: wa5whn@juno.com

To: qrp-l@Lehigh.EDU

Subject: [3183] PC-9000 xcvr from Patcomm & FYBO '98

Message-ID: <19980206.102204.2662.1.wa5whn@juno.com>

qrp-lers,

{I don't have any financial interest in this Company}. I had just received a note from RadioWise@aol.com. The PC-9000 specs are at the following URL;

<http://www.radiowise.com/>

Click on the Patcomm icon. Send email to RadioWise@aol.com, not me, if You have any questions about this radio.

<break>

Now, does everyone know what time it is ? It's nearly time for that long awaited, more fun than a room full of scQRPions, FYBO event.

A full tank of gas, dark glasses on, final weather & propagation check & we {NA5N, W5BI, K5OI, WA5WHN, N5ZGT & his Pappy {who is studying for his license right now}} are heading west to Pinetop, Az. {DM54}. In just a few hours, {Feb. 7th @ 1600 UTC}, You will hear from the frozen east - central part of Arizona {Where's that antenna warm up switch ?}, incoherent cw. Yes, we will set the standards for that new mode "Incoherent CW". ;-) BTW, does California have an unfair advantage in this contest ? Great propagation, all day long to California, on 40 meters, sorry about that Texas. Actually, we will be on 6 - 40 meters {Novice/Tech/General} parts of the cw bands. You would not want to hear {chatter-chatter} what we will sound like on SSB. That's right, we are doing super-conductor studies, near zero degrees C. ;-)

Spare radios, spare batteries, spare antennas, can anyone spare any heat

? ; -)

So, please, be patient with us, if our I's sound like 5's, and our C's sound like L's, smile & have a hot tea for us.

4" of new snow on the ground, temperature in the low 20's, yeah, right, it never gets cold in Arizona. ; -)

I am really looking forward to working all of You, during this event.

ahead warp .0000000000001, engage. :-)

72...Jay, WA5WHN/7 one of the frozen
Desert Dozen.

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 6 Feb 1998 12:41:33 EST
From: KB9RPD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [3184] Build this Radio, Part4
Message-ID: <acca835a.34db4b52@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I am trying part 4 this evening. I purchased a breadboard last week to do little experiments like this.

Is there a question to part 4?

Due to station power amounts, I normally only have a few hours to try this (I'm not using an inductor). By 6pm, most of the area stations turn down their power and I don't hear a thing in this simple receiver.

A little humor at the expense of myself...last night I racked my brain trying to figure out how to put resistors in series to come up with 4000ohms. What can I say! <grin> work has been very taxing lately (we are short 3 people).

This morning I woke up and decided to install Netscape Professional after downloading it last night. As soon as I shut down Win95, BAM! Hit me like a ton of bricks. DUH! 4000 = 4K Sheeesh. Soooo....I put two 2.2K resistors together in series and will try the receiver when I get home. <laugh> Glad I had a breadboard and didn't use solder!

I must say, I've enjoyed trying this series of simple receivers. It has been a blast. If I were a kid, I wouldn't believe it. A receiver without power from a battery! I've tried my best to experiment with this. I could not participate in the Elmer project. Due to expenses at home, I had to make a choce. I had already made a commitment to build my TunaTin2. By gosh I will! ;-)

I'd like to ask a question of the group. Your fox hunts take place on 40 meters. Is there any particular reason? 80 meter is so quiet compared to 40M. I listened to my shortwave last night. I swore I heard a call sign prefix from Russia! Makes me feel good that I can actually recognize more and more as I keep practicing CW.

73, Ted KB9RPD

Date: Fri, 6 Feb 1998 10:31:51 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [3185] Re: FOX - Whoa..
Message-ID: <19980206.104743.12046.0.gsurrency@juno.com>

Tim, et al. :

Yeah, the same thing happened here! I had tuned to the spot where I heard the hunters calling, yet I could not hear Jim. So I decided to read the QRP-L for a while and listen to see if the conditions between here and NM improved.

All of a sudden, it was as if someone had just swung his beam around and pointed it right at my QTH! KK6MC/5 went from 119 to 599! He was actually

peaking at S9 on my TS-570D! Did some giant UFO as in the movie Independence Day suddenly hover over AZ / NM? What phenomena was responsible for the strong reflection of previously weak QRP signals?!

Did Paul Harden loan Duffy the VLA for tonights fox event? Did Duffy sieze control of the log periodic arrays at that military base in Albuquerque? Did the military release some high altitude ionospheric experiment? What the heck was going on here?! ;-)

It just goes to show you that even if you can't hear the FOX early on in the hunt, you should not give up hope since 40m is a notorious fickle band, and it can quickly change propagation in a few moments!

Anyway, thanks Duffy for making it a good and exciting hunt! I'm still amazed by 40m after all these years! Wow!

72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 06 Feb 1998 12:51:27 -0500
From: Ken Freedman <n1qqv@cshore.com>
To: qrp-l@Lehigh.EDU
Subject: [3186] Novice Fox 3.686
Message-ID: <3.0.32.19980206124103.006911c8@cshore.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>John,

>While you are doing the Novice Fox tonight, do try to work around 3686

I'll second that, John! I've never been able to hear you on 40 meters because I'm too close to you here in CT. Please post a time if you decide to operate on 80, and I'll look for you.

73, Ken

Ken Freedman
AKA N1QQV/QRP ARRL VE, QRP-L

Date: Fri, 06 Feb 1998 09:58:37 PST
From: "Ray Lowe" <wd5dhk@hotmail.com>
To: qrp-1@Lehigh.EDU, designserv@ipass.net
Subject: [3187] Re: Burying coax &/or window line
Message-ID: <19980206175837.25431.qmail@hotmail.com>
Content-Type: text/plain

The loss with mismatched coax twinlead will be much greater than ladder line loss at the same degree of mismatch. If burying the cable is the only option, it would be better to use a multiband antenna than to suffer the loss of a coax-even if configured as a balanced line.
just my \$0.02 worth
72

Ray Lowe
WD5DHK
Lancaster,Tx (near Dallas)

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 6 Feb 1998 13:13:45 EST5EDT
From: "Joseph street 1635" <joseph.street@comdev.ca>
To: qrp-1@Lehigh.EDU
Subject: [3188] Folded Bazooka and FYBO
Message-ID: <5019FD283E@mercury.camb.comdev.ca>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I've noticed a lot of references to the folded bazooka in qrp-1. Is this the antenna of choice for qrp'ers? Is it portable? How do I make one?

de VE3UXE

PS I will try to get in on the FYBO I have only 20 meter capability though but I'm used to low temps.

PPS what is this fahrnheit?;->

Date: Fri, 6 Feb 1998 10:19:06 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [3189] Fox ALERT
Message-ID: <01bd332b\$b62ec290\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FOX ALERT FOX ALERT FOX ALERT FOX ALERT FOX ALERT FOX ALERT

I will be the fox next Thursday, February 12. Catch me if you can. I'll be the one with the day-glo (tm) pelt.

Time: 0200-0400 UTC
 That's 6:00PM PST
 7:00 PM MST
 8:00 PM CST
 9:00 PM EST

Day: 13 Feb UTC
 That's Thursday evening in America

Operating frequency: 7.042 transmit +- QRM. I will be listening from 7.042 to 7.043, so spread 'em out.

I hope to have the Super Fox Catcher (tm) restored to full operation and set to inverse mode, so if propagation is there, you will find me.

CW speed will be above average, so feel free to ask me to QRS, otherwise --let those dits and dahs fly!

Send your call only once each time, please. I'll be working you as fast as I can so I can get everybody. Let's set a new record!

Propagation has been very variable lately, so if you aren't having any luck catching me, take a break and try again -- keep trying until 0400Z.

Mike K1MG

Date: Fri, 6 Feb 1998 13:28:45 EST
From: PDouglas12@aol.com
To: qrp-1@Lehigh.EDU
Subject: [3190] Re: Novice Fox 3.686 oops n/g
Message-ID: <6c96b0d4.34db565f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

I sometimes don't know what I am thinking of! Foxes aren't on 80 meters by official fox rules. So forget I suggested the novice fox come up to 3686--not allowed in this year's fox jubilee.

72,

Preston Douglas WJ2V

Date: Fri, 06 Feb 1998 13:54:23 -0500 (EST)
From: n4js@pobox.com
To: qrp-1@Lehigh.EDU
Subject: [3191] FYBO Plans
Message-ID: <XFMail.980206135423.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Well, just finished adjusting the Hustler on the Explorer rooftop. The Gusher II is ready to go, the Gel-cel is charged. Supposed to be a high tomorrow around 40. I am going down to operate from the Maurice River, where I keep the boat in the summer. See you all on tomorrow!

Sent at 13:54:23 on 06-Feb-98

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

Date: Fri, 06 Feb 1998 18:57:46 +0000
From: Ed Loranger <we6w@qsl.net>
To: joseph.street@comdev.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3192] Re: Folded Bazooka and FYBO
Message-ID: <34DB5D2A.4A07@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Joseph, I hesitate to even remotely suggest that any particular antenna is "The Antenna of Choice". Too many variables and every situation is unique.

You can read all about my Folded Bazooka antenna, How to build, and what tests I performed. My web page has this information. See web link below in signature.

I will field any further question personally.

Good Luck!
-Ed Loranger, we6w

Joseph street 1635 wrote:

>
> I've noticed a lot of references to the folded bazooka in qrp-l. Is
> this the antenna of choice for qrp'ers? Is it portable? How do I
> make one?
>
> de VE3UXE
>
> PS I will try to get in on the FYBO I have only 20 meter capability
> though but I'm used to low temps.
>
> PPS what is this fahrenheit?;->

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Fri, 6 Feb 1998 11:00:37 -0800
From: Andreas Junge <andreas@atltech.com>
To: qrp-l@Lehigh.EDU
Subject: [3193] RE: Novice Fox 3.686 oops n/g
Message-ID: <01BD32EE.75D1F060.andreas@atltech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Preston,

I would not mind to use 80M. I usually work long hours and by the time I get home, the bottom fell out of 40M ! Soooooo that makes one fox and one hunter - so far.

72,

Andreas, KF6NEB

On Friday, February 06, 1998 10:29 AM, PDouglas12@aol.com
[SMTP:PDouglas12@aol.com] wrote:
> Gang,
>
> I sometimes don't know what I am thinking of! Foxes aren't on 80 meters
by
> official fox rules. So forget I suggested the novice fox come up to
3686--not
> allowed in this year's fox jubilee.
>
> 72,
>
> Preston Douglas WJ2V

Date: Fri, 06 Feb 1998 19:06:51 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [3194] Miles/Watt
Message-ID: <34DB5F4B.7269@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, this is the last of it. Who wants to hear anymore about
abt my Folded Bazooka anyway....

Last night, under QRM and QRM, got Dennis, WA8ZBT in Sachse, TX,
with my Pixie2.

3018 miles/watt. I'll probably never apply for the paper but it
sure is fun.

No more bragging until I go 40,000 miles/watt again. That's 17
milliwatts
to W7LS last summer....Broken output 2n2222A on the old pixie2 at the
time. Measured with HP438A Power meter the next day.

Hmmmmm, Phased Folded Bazookas?...

The Sterba/Bazooka Curtain?

Stay tuned.

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Fri, 6 Feb 98 13:45:58 PST
From: gregoire@endor.com
To: Low power amateur radio discusion <qrp-1@Lehigh.EDU>
Subject: [3195] Radio Shack,thermo. Error found
Message-ID: <Chameleon.980206141754.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

<<May you live in interesting times,>>

says the old Chinese saying; it is
meant as a curse.

Hello Gang,

I have had an interesting morning.
A lesson in the value of consensus played itself out
this morning on 75 meters.

To recap; I thought my Radio Shack thermometer was
inaccurate because it did not agree with three other
thermometers around my house. Two are mercury and one
is a bi-metallic strip.

I reasoned that all three were in agreement so therefore
they must be correct.(WRONG)!!!

A fellow ham on the net suggested; as did others here on the QRP-L;
to put the sender in a glass of ice water and check it out.
I found a mercury thermometer to read 24 f and the
Radio Shack thermometer to read 32 f (EXACTLY)
as I swizzled them both around in the glass.

Rocks are hard ,
water is wet,
ice melts at 32,
that's the way it is,
for me and for you.

The political implications here are obvious.
(aka; Slick Willie)

So, now I must go back to Radio Shack and try to
buy back the unit I turned in as defective.
I must also apologize to all Radio Shack thermometer
owners here on the reflector for posting a note
saying that mine was not accurate.

I apologize.

How clearly I hear my mothers words now,

"Ernest, if all your friends jump off a bridge,
are you going to jump off the bridge too?"

Now I'm going to buy one for the car too.

The R.S. electronic thermometers are indeed accurate
and may be used in FYBO with confidence.

de AA1IK, Time the accursed enemy of man,
 cursed youth for going to slow
Ernie Gregoire and by the old for going to fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

02/06/98 13:45:58

Date: Fri, 6 Feb 1998 14:15:24 -0500
From: Thomas J McCuen <TMcCuen@compuserve.com>
To: QRP-L Lehigh Server <qrp-l@Lehigh.EDU>
Subject: [3196] SGC 2020
Message-ID: <199802061416_MC2-3244-A528@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Re the SGC 2020;

Just spoke to SGC ... =

They will not give any more info other than the direct orders will be
filled in 60 days.

That is all !!!

still waiting ;
Tom

Date: Fri, 6 Feb 1998 13:21:33 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsilo2.comm.mot.com>
To: kl7jaf@polarnet.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [3197] Calculator
Message-ID: <351A2DFAE256D111883A0060B06B166227BD25@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Bruce:

Rather than mess with a calculator, I prefer to work in an Excel spreadsheet on the computer.

You can work up a form for a problem with annotations beside the cells. You can make repeated runs with different variables for "what if-ing".

I have a large spreadsheet I've worked up over the years with lots of different calculations on it. I just run whatever one I'm interested in at the moment.

72, Bob N6WG

Date: Fri, 06 Feb 1998 08:46:49 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>, mike@krypton.nmr.Hawaii.Edu
Subject: [3198] Re: QRPTTRF Feb. 13-15 Boycott this contest
Message-ID: <34DB3E79.5079@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

We should all boycott this contest. ;-)

Do you guys really think you can get away with getting extra points for sitting in a beautiful warm rainforest with half naked women walking around with ginger flowers in their hair?

Unless of course if first prize is a trip to the Islands to observe the QRP field sites.

— —

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16 Private Practice : Companion Animals and
Exotics
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa
Cruz
California Santa Cruz,

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Fri, 06 Feb 1998 11:28:08 -0800
From: Steve Miller <kg7pv@teleport.com>
To: qrp-l@Lehigh.EDU
Subject: [3199] FS: price reduced on Ten Tec Omni D
Message-ID: <3.0.5.32.19980206112808.007aabf0@mail.teleport.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, have reduced the price on the Ten Tec Omni D (series B) I am selling.
This is the digital display model.

It has the 500hz filter (217), the 30 and 12 meter upgrades, the noise blanker, an extra new front panel and a TT 215P mic. Turns down to < 1 watt for Qrp from the front panel. Notch filter and 3 stage audio filter also on board. I also have a new Ten Tec power cord I'll throw in.

Rig is in excellent condition and everything works as it should. A full manual is included. I purchased it directly from Ten Tec. Am selling it to finance the Ten Tec Corsair II I just bought.

Price is \$475 shipped in the Ten Tec carton (foamed to fit the rig) to the lower 48.

Contact me here or at the shack 503-293-8926. 72

Steve Miller kg7pv @ teleport.com Portland, OR

(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

Date: Fri, 06 Feb 1998 14:53:54 -0500
From: Brandon Brinkley <ac4ou@mail2.wilmington.net>
To: qrp-l@Lehigh.EDU
Subject: [3200] WTB: IC-2350
Message-ID: <3.0.5.32.19980206145354.007e1340@mail.wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all...

I am looking for an Icom 2350 2m/440 mobile rig...

Please send to brandon@wilmington.net or just reply to this message....

thanks and 73,

Brandon Brinkley AC40U

Date: Fri, 06 Feb 1998 11:51:21 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>, gregoire@endor.com
Subject: [3201] Re: Radio Shack,thermo. Error found
Message-ID: <34DB69B9.2763@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ernie,

I don't know which model I have off hand, but I have 3 Radio Shack indoor outdoor digital thermometers and I think they are all a pile of junk.

Here is what I found. I laid the outdoor probe next to the case of the thermometer so that the indoor and outdoor probes are within 3 inches of each other, sat them on a block of wood to eliminate conduction

problems, let them equilibrate at room temperature for 24 hours, then read the indoor/outdoor temperature. (There was no air movement over the probes)

With all three units the indoor outdoor temps read differently, by as much as 10 degrees, and with no obvious consistency.

All three units sitting on a table under the same conditions, read different indoor temps varying a degree here or there.

I purchased them to measure cage temperatures for exotic patients. I don't trust them and they are all in a pile in a drawer.

The one in my shack fell off the wall behind my workbench, I haven't even tried to recover it.

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Fri, 06 Feb 1998 12:03:25 -0800
From: Jeff Grudin <grudin@pacific.vdbbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [3202] FYBO-like Stories
Message-ID: <34DB6C8D.6DDB@vdbbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here are some FYBO-like stories we don't want to hear about on Monday!

>>The 1997 Darwin Award competition has announced its runners up and
>>winners. These awards are given each year to bestow upon (the remains
>>of) that individual, who through single-minded self sacrifice, has

>>done the most to remove undesirable elements from the human gene pool.

>>

>>Note, there was great improvement in the areas of teamwork and

>>cooperation among the candidates in 1997-- it's no longer an

>>individual sport. Here are (drum roll) the 1997 runners-up and

>>winners:

>>

>>5th runner-up:

>>A San Anselmo, California, man died when he hit a lift tower at the

>>Mammoth Mountain ski area while riding down the slope on a foam pad.

>>22-year old David Hubal was pronounced dead at Centinela Mammoth

>>Hospital. The accident occurred about 3 a.m., The Mono County

>>Sheriff's Department said. Hubal and his friends apparently had hiked

>>up a ski run called Stump Alley and undid some yellow foam protectors

>>from lift towers, said Lt. Mike Donnelly of the Mammoth Lakes Police

>>Department.

>>

>>The pads are used to protect skiers who might hit towers. The group

>>apparently used the pads to slide down the ski slope and Hubal crashed

>>into a tower. It has since been investigated and determined the tower

>>he hit was the one with its pad removed.

>>

>>4th Runner-up:

>>Robert Puelo, 32, was apparently being disorderly in a St. Louis

>>market when the clerk threatened to call the police. Puelo grabbed a

>>hot dog, shoved it into his mouth, and walked out without paying.

>>Police found him unconscious in front of the store-- paramedics

>>removed the six-inch wiener from his throat where it had choked him to

>>death.

>>

>>3rd Runner-up:

>>Poacher Marino Malerba of Spain, shot a stag standing above him on an

>>overhanging rock and was killed instantly when it fell on him.

>>

>>2nd Runner-up:

>>A man at a West Virginia party (probably related to the man in

>>Arkansas who used the 22 bullet to replace the fuse in his pick-up

>>truck) popped a blasting cap into his mouth and bit down, triggering

>>an explosion that blew off his lips, teeth, and tongue. Jerry

>>Stromyer, 24, of Kincaid, bit the blasting cap as a prank during the

>>party late Tuesday night, said Cpl. M.D. Payne. "Another man had it in

>>an aquarium hooked to a battery and was trying to explode it, said

>>Payne. "It wouldn't go off and this guy said I'll show you how to set

>>it off. "He put it into his mouth and bit down. It blew all his teeth

>>out and his lips and tongue off, Payne said. Stromyer was listed in

>>guarded condition Wednesday with extensive facial injuries, according

>>to a spokesperson at Charleston Area Medical Division. "I just can't

>>imagine anyone doing something like that, Payne said.

>>

>>1st Runner-up:

>>Doctors at Portland University Hospital said an Oregon man shot
>>through the skull by a hunting arrow is lucky to be alive and will be
>>released soon from the hospital. Tony Roberts, 25, lost his right eye
>>last weekend during an initiation into a man's rafting club, Mountain
>>Men Anonymous (probably known now as Stupid Mountain Men Anonymous) in
>>Grants Pass, Oregon. A friend tried to shoot a beer can off his head,
>>but the arrow entered Robert's right eye. Doctors said had the arrow
>>gone 1 millimeter to the left, a major blood vessel would have been
>>cut and Roberts would have died instantly. Neurosurgeon Doctor Johnny
>>Delashaw at the University Hospital in Portland said the arrow went
>>through 8 to 10 inches of brain with the tip protruding at the rear of
>>his skull, yet somehow managed to miss all major blood vessels.
>>Delashaw also said had Roberts tried to pull the arrow out on his own
>>he surely would have killed himself. Roberts admitted afterwards he
>>and his friends had been drinking that afternoon. (DUH). Said
>>Roberts, "I feel so dumb about this". No charges have been filed, but
>>the Josephine County district attorney's office said the initiation
>>stunt is under investigation.

>>

>>Last year's winner, you will remember, was the fellow who was
>>killed when he attached a JATO (Jet Assisted Take Off) unit to his
>>Chevy Impala and shot himself and his car into a desert cliff at 300
>>M.P.H.now this year's winners:

>>

>>(The late) John Pernicky and his friend, (the late) Sal Hawkins, of the
>>great state of Washington, decided to attend a local Metallica concert
>>at the George Washington amphitheater. Having no tickets (but having
>>had 18 beers between them), they thought it would be easy to "hop" over
>>the nine-foot fence and sneak into the show. They pulled their pick-up
>>truck over to the fence and the plan was for (the late) Mr. Pernicky
>>(who was 100 pounds heavier than Mr. Hawkins) to hop the fence and then
>>assist his friend over. Unfortunately for (the late) Mr. Pernicky,
>>there was a 30-foot drop on the other side of the fence. Having heaved
>>himself over, he found himself crashing through a tree. His fall was
>>abruptly halted (and broken, along with his arm, as it were) by a large
>>branch that snagged him by his shorts. Dangling from the tree with a
>>broken arm, he looked down and saw some bushes below him. (Possibly)
>>figuring the bushes would break his fall, he removed his pocket knife
>>and proceeded to cut away his shorts to free himself from the tree.

>>

>>Finally free, (did I mention he is THE LATE) Mr. Pernicky crashed into
>>Holly bushes. The sharp leaves scratched his ENTIRE body and now
>>without the protection of his shorts, a Holly branch penetrated his
>>rectal cavity. To make matters worse (?!), on landing, his pocket knife
>>penetrated his thigh 3-inches. (The late) Mr. Hawkins, on seeing his
>>friend in considerable pain and agony, decided to throw him a rope and

>>pull him to safety (now he thinks of the "S" word) by tying the rope
>>to the pick-up truck and slowly driving away. However, in his drunken
>>haste/state, he put the truck into reverse and crashed through the
>>fence landing on his friend and killing him. Police arrived to find
>>the crashed pick-up with its driver thrown 100-feet from the truck and
>>dead at the scene from massive internal injuries. Upon moving the
>>truck, they found John under it, half-naked with scratches on his
>>body, a holly stick in his rectum, a knife in his thigh, and his
>>shorts dangling from a tree branch 25-feet in the air.

>>

>>Congratulations gentlemen, you win...

--

73 de Jeff AC6KW

grudin@vdbbs.com

QRP-L #16

Private Practice : Companion Animals and

Exotics

Norcal QRP #1292

Ocean Animal Clinic / Cat Clinic of Santa

Cruz

Santa Cruz,

California

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Fri, 6 Feb 1998 15:34:11 -0500

From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:PDouglas12@aol.com" <PDouglas12@aol.com>

Cc: "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP Discussion Group
<qrp-l@Lehigh.EDU>

Subject: [3203] Re: Novice Fox 3.686 oops n/g

Message-ID: <199802061538_MC2-323E-7C1C@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

Preston:

Yep, Chuck Adam K5FO has repeatedly that FOX is a 40-Metre activity, pure and simple. Heard him say it again at dinner in Minneapolis a couple of months ago.

72/72,

--Doc Lindsey/K0EVZ qrp-l 861 Grid EN34
MWBC
519 16th Street SE
Rochester, MN 55904
507-289-5108 (evenings)

Date: Fri, 6 Feb 1998 13:18:03 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [3204] QRPP journal index
Message-ID: <199802062118.NAA13678@heracles.llnl.gov>

I wonder if anyone out there has a complete index of QRPP issue contents. I have begun one for my own use (read that own biases) that I will probably place on my web page. If I am duplicating someone's effort or if I can leverage off their work I would really like to know.

Grant/K7GT

k7gt@qsl.net Pleasanton CA 'virtual home of the NorCal QRP club'

Date: Fri, 06 Feb 1998 16:16:28 EST
From: kq0i@juno.com (Mark R Milburn)
To: qrp-l@Lehigh.EDU
Subject: [3205] Re: Novice Fox 3.686 oops n/g
Message-ID: <19980206.151451.2111.0.KQ0I@juno.com>

On Fri, 6 Feb 1998 15:34:11 -0500 "W. D. (Doc) Lindsey"
<70511.3041@compuserve.com> writes:

>Preston:

>

>Yep, Chuck Adam K5FO has repeatedly that FOX is a 40-Metre activity,

>pure

>and simple. Heard him say it again at dinner in Minneapolis a couple

>of

>months ago.

>

>72/72,

>--Doc Lindsey/K0EVZ qrp-l 861 Grid EN34

Yup...but Chuck always says if you want to start another activity, just

jump right up and do it. If there is enough interest in something to get some activity going on 80, all we have to do is organize it. What ideas are out there, considering that the summer doldrums on 80 are coming up fast?

72/73 Mark
Des Moines

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 06 Feb 1998 14:35:35 -0700
From: Larry East <wlhue@amsat.org>
To: qrp-l@Lehigh.EDU
Subject: [3206] HTML
Message-ID: <3.0.3.32.19980206143535.00907ac0@eloi>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

>From a recent post:

>>>>

<excerpt>I couldn't agree more about simple text, please don't miss the point

tho' that HTML might be a way for us to use a simple text method to exchange graphic information such as schematics! Something I think might be worth while looking into.

</excerpt><<<<<<<<

For your info, guys and gals, HTML does NOT encode graphical information. When graphics are included in an HTML file, a link is placed in the file that points to an external file (usually GIF format but could, I suppose, be JPEG or some other format as well) that contains the actual graphics.

For a slick way to transmit text and graphics in a format that is almost universal, try "Rich Text Format" (RTF). Most of the "modern" word processors (such as MS Word and probably WordPerfect) as well as most desk-top publishing programs handle RTF files quite well. The Win95/WinNT WordPad "applet" can also read RTF files, but some of the formatting gets lost (but the graphics usually come thru OK).

Just a thought...

72, Larry W1HUE/7

Date: Fri, 06 Feb 1998 16:45:32 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [3207] FOX: NOGLM report
Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EC7C@SILVER.CORNING.COM>
Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

Greetings All,

Not many stations worked last night. The QRM didn't seem to bad but the stations were weak. Then after the first 45 minutes, no contacts nada zip. I would think that with the days getting longer and my operating times getting closer to sunset the propogation would be better. I guess not. Oddly, KB0FB was coming in very strong (QRZ says IA) and ended his QSO w/ dit dit.

	his mine	
KB9IUA	449 599	Kevin, IL - Glad to break your foxless streak.
AB0GO	119 229	Dave, CO
NI0A	229 349	John, MN

Hopefully, next time will be better. I hope Duffey had better luck.

FYBO is tomorrow so don't forget to slide on up to the Novice sub-bands.

I will be waiting.

73

Preston, n0g1m, South NY State

Date: Fri, 06 Feb 1998 17:12:10 -0500
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: w1hue@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3208] Re: HTML
Message-ID: <34DB8ABA.7DF1143E@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry East wrote:

> For your info, guys and gals,
> HTML does NOT encode graphical information.

Well, MIME does include graphics, audio, and some yet unforeseen stuff. It is a protocol designed to transfer multi-part messages with each part optionally encoded. Use of indirect access (links) to parts (graphics) is just one feature of this vary large and rich protocol.

According to:

<http://www.cs.ruu.nl/wais/html/na-dir/mail/mime-faq/part1.html>

If you were bored with plain text e-mail messages, thanks to MIME you now can create and read e-mail messages containing these things:

- character sets other than US-ASCII
- enriched text
- images
- sounds
- other messages (reliably encapsulated)
- tar files
- PostScript
- pointers to FTPable files
- other stuff

MIME supports not only several pre-defined types of non-textual

message contents, such as 8-bit 8000Hz-sampled mu-LAW audio, GIF image files, and PostScript programs, but also permits you to define your own types of message parts.

MIME has its place, and some of us use it often, with little thought (or thanks) of how much of a benefit it does provide.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```
      /\
     /\ |
    /\ | \
   /\ |  \
  /\ |   \
 /\ |____\
[ \-----/
```

Date: Fri, 06 Feb 1998 14:24:43 -0800
From: neil <neil@aade.com>
To: qrp-l@Lehigh.EDU
Subject: [3209] Re: toroid measure
Message-ID: <34DB8DAB.E02@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have one customer that uses my L/C Meter IIB to determine the characteristics of toroid cores. He wraps a few turns around the core and measures the inductance. This gives him the AL (turns/uHy) so he can calculate the number of turns required. This value can also sometimes determine the core number by comparing it with the manufacturers AL values.

--

Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Fri, 6 Feb 1998 05:35:08 -0500
From: "tom palmer" <n1tp@worldnet.att.net>

To: <andreas@atltech.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [3210] Re: Novice Fox 3.686 oops n/g
Message-ID: <19980206223441.AAA19900@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Make that at least two hunters on 75/80 meters. I, for one, would be VERY interested in having foxhunts on that band. 72/73, Tom, N1TP in beautiful, tropical, Naples, Fl.

> From: Andreas Junge <andreas@atltech.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: RE: Novice Fox 3.686 oops n/g
> Date: Friday, February 06, 1998 2:00 PM
>
> Preston,
>
> I would not mind to use 80M. I usually work long hours and by the time I
> get home, the bottom fell out of 40M ! Soooooo that makes one fox and one

> hunter - so far.
>
> 72,
>
> Andreas, KF6NEB
>
> On Friday, February 06, 1998 10:29 AM, PDouglas12@aol.com
> [SMTP:PDouglas12@aol.com] wrote:
> > Gang,
> >
> > I sometimes don't know what I am thinking of! Foxes aren't on 80
meters
> by
> > official fox rules. So forget I suggested the novice fox come up to
> 3686--not
> > allowed in this year's fox jubilee.
> >
> > 72,
> >
> > Preston Douglas WJ2V

Date: Fri, 6 Feb 1998 14:50:54 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>

To: qrp-l@Lehigh.EDU
Subject: [3211] QRPP INDEX FOUND!
Message-ID: <199802062250.0AA13959@heracles.llnl.gov>

(See subject line)

Thanks

Grant/K7GT

Date: Fri, 06 Feb 1998 17:59:20 -0500
From: W2MY & W2MBY <n2mnn@spacegate.com>
To: QRP-L messages <QRP-L@Lehigh.EDU>
Subject: [3212] W2MBY on 3686
Message-ID: <34DB95C8.245FC9AF@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi guys,

I will try 3686 after 02:00 UTC, (9 pm EST), after the N/T Foxhunt tonite, Friday evening. Will be using 5W from TS-850. Thanks for the invite. It won't count for a Fox, but will be nice to QS0. Yes, it would be nice to have an N/T fox on 80 meters for those in my skip zone. I haven't worked many "1" stations yet as a Fox. I don't know net Q sigs, but I will adlib.

72,

John, W2MBY
age:11

Date: Fri, 06 Feb 1998 23:08:11 +0000
From: Ed Loranger <we6w@qsl.net>
To: n2mnn@spacegate.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3213] Re: W2MBY on 3686
Message-ID: <34DB97DB.6FC@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hey John, how long are you going to be there?

I have a sked with my pixie2 trying to work Doc, K0EVZ after the N/T+ hunt and my sked is on 7040. I'd like to wrap up the test with DOC and try 80 Meters with my 40 meter Bazooka.

The antenna loaded up on 80 meters and seemed ok to use. I'd like to try and get someone on the computer freq (3686.6).

Gotta go soon and don't have a computer at home so just letting you know that I'll be looking for you all after the N/T+ hunt and after my QRPp Sked with Doc.

Best 72,

Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Fri, 6 Feb 1998 15:17:40 +0000
From: flyer@hooked.net
To: qrp-l@Lehigh.EDU
Subject: [3214] Code Tests
Message-ID: <199802062316.PAA23629@mom.hooked.net>

Anyone out there planning on taking a code test in the future needs to check into this. I just passed the General test but could not understand why the code test seemed so difficult. I put it down to plain nervousness but it turns out there was a reason. In our area, the tests are given using the so-called Farnsworth Method. For the General test, the overall speed is 13WPM but the characters are sent at what they would sound like at 18WPM. For the Extra class, the overall speed, of course, is 20WPM but the character speed is 23WPM. Perhaps this is standard practice, but it sure was a shock to me. You need to check with your local Volunteer Examiner organization to find out.

Mark Smith KF6PIL

Date: Fri, 6 Feb 1998 06:21:28 -0500
From: "tom palmer" <n1tp@worldnet.att.net>
To: <n2mnn@spacegate.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [3215] Re: W2MBY on 3686
Message-ID: <19980206232057.AAA21261@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

John, I'd be honored to get the first pelt from Florida on 75 meters even though it won't be "official." I'll be hunting for you this evening. 75 meters is F.B. band for QRP; I've twice worked all states on 75 in the SSB mode. Tom, N1TP, Naples, FL.

> From: W2MY & W2MBY <n2mnn@spacegate.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: W2MBY on 3686
> Date: Friday, February 06, 1998 5:59 PM
>
> Hi guys,
>
> I will try 3686 after 02:00 UTC, (9 pm EST), after the N/T Foxhunt
> tonite, Frday evening. Will be using 5W from TS-850. Thanks for the
> invite. It won't count for a Fox, but will be nice to QS0. Yes, it
> would be nice to have an N/T fox on 80 meters for those in my skip
> zone. I haven't worked many "1" stations yet as a Fox. I don't know
> net Q sigs, but I will adlib.
>
> 72,
>
> John, W2MBY
> age:11
>

Date: Fri, 06 Feb 1998 16:28:12 -0700
From: Phil <k6ls@prolynx.com>
To: vhf@w6yx.stanford.edu, qrp-1@Lehigh.EDU, wswss@qth.net, cqclist@lists.sni.net
Subject: [3216] Fixing EMI EMC TVI ect....
Message-ID: <34DB9C8C.8FBE7203@prolynx.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ever wonder who made a particular item that causes interference or is susceptible to it? Did you think that it would be impossible to find out who the mfg. is because of the lack of such info on the device? Well, usually there is a FCC ID number on the device. If you take that ID number to the following url, you will be able to find out a whole bunch more about that device.

<http://www.fcc.gov/fcc-bin/ead>

Just plug in the id # and select search.

Now you should be able to contact the mfg. for help if needed! If your lucky, they'll have a web page.

Note: this is also a nifty place to find out about those computer items that you need drivers for or whatever.

Thanks to the Digital Dave column in the ComputerEdge magazine (Feb. 2, '98)for the info on this url.

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73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
<http://www.qsl.net/k6ls>
<http://www.prolynx.com/k6ls>
DM79oq, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866

Date: Fri, 6 Feb 1998 17:38:01 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: "QRP-1" <qrp-1@Lehigh.EDU>
Subject: [3217] FYBO -WQORP
Message-ID: <002701bd335a\$0cfca8c0\$98c0bfce@groucho>

The Minnesota QRP Society is pleased to announce we have rallied together a crew to operate WQORP, our club callsign, for FYBO this year. We will be

issuing a special FYB0 '98 confirming QSL card to those FYB0 contacts sending us a QSL card. Please keep an ear out for us. And good luck.

73 de KA0GKC Claton Cadmus

cla@spacestar.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

End of QRP-L Digest 993
